

Pedidos de Patente sobre Energia Solar - Nº 8



**Pedidos publicados no
2º semestre de 2012**

Diretoria de Cooperação para o Desenvolvimento – DICOD
Centro de Disseminação da Informação Tecnológica – CEDIN
Coordenação de Estudos e Programas – CEPRO
abril de 2013

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1. INTRODUÇÃO

1.1 - Alerta Tecnológico

O Instituto Nacional da Propriedade Industrial (INPI) é uma Autarquia Federal, vinculada ao Ministério do Desenvolvimento, Indústria e Comércio Exterior (MDIC), responsável pela concessão de patentes, registros de desenhos industriais, registro de marcas, averbação de contratos de transferência de tecnologia, registro de programas de computador, indicações geográficas e topografias de circuito integrado.

O Centro de Disseminação da Informação Tecnológica (CEDIN), subordinado à Diretoria de Cooperação para o Desenvolvimento (DICOD), mantém um acervo com a descrição dos pedidos de patente e de registros de desenhos industriais. Uma de suas atribuições é divulgar e disseminar a utilização destas informações bibliográficas e técnicas. Para tanto, o CEDIN dispõe da Coordenação de Estudos e Programas – CEPRO, cuja incumbência é elaborar publicações fundamentadas, essencialmente, em informações extraídas de documentos de patente.

A patente é uma importante fonte formal de informação, por meio da qual se pode ter acesso a detalhes técnicos de invenções que, em alguns casos, não estão descritos em outros meios de divulgação ¹ (livros, artigos técnicos etc.).

O objetivo desta publicação, de periodicidade semestral, é o de alertar sobre os depositantes mais expressivos em determinado período, os países onde o primeiro depósito foi solicitado (país de prioridade), as áreas tecnológicas mais solicitadas, e de divulgar os títulos dos pedidos de patente publicados mundialmente em determinado período, permitindo, desta forma, a atualização periódica de seu público alvo.

Um pedido de patente é constituído de uma folha de rosto, do relatório descritivo da invenção, das reivindicações (quadro reivindicatório), dos desenhos (se necessário) e do resumo. A folha de rosto contém os dados bibliográficos do pedido de patente, tais como, os nomes dos depositantes e dos inventores, as datas e os números de depósito, de publicação e de prioridade do pedido, a classificação internacional, o título e o resumo da invenção, entre outros.

¹ Hong, Soonwoo. **The Magic of Patent Information**, Disponível em: <http://www.wipo.int/sme/en/documents/patent_information.htm#basics>. Acesso em 10 de outubro de 2008.

Os dados bibliográficos e a cópia completa do pedido de patente podem ser obtidos nas seguintes bases de patente disponíveis, gratuitamente, na internet:

1. Base Brasileira de Pedidos de Patente²: <http://www.inpi.gov.br>
2. Base do Escritório Europeu de Patentes³ : <http://worldwide.espacenet.com>
3. Base do Escritório Americano de Patentes⁴ : <http://uspto.gov>

Caso haja interesse em se conhecer o(s) depósito(s) de patente no Brasil, correspondente(s) (família do pedido de patente⁵) aos pedidos de patente estrangeiros listados no Anexo I, sugere-se uma busca de família dos pedidos de interesse. Neste caso, o Centro de Documentação do INPI – CEDIN informará os procedimentos a serem seguidos. Abaixo, seguem endereço e formas de contatar o CEDIN.

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As cópias integrais dos pedidos de patente de interesse também podem ser solicitadas por meio do endereço copdocpat@inpi.gov.br ou por correio postal ao endereço anteriormente mencionado

² Esta base contém somente pedidos de patente depositados e publicados no Brasil a partir de 1982.

³ Contêm pedidos de patente depositados e publicados em mais de 70 países.

⁴ Contêm pedidos de patente depositados ou concedidos e publicados apenas nos Estados Unidos.

⁵ Uma família de patentes é a coleção de documentos de patente relacionados à mesma invenção ou a invenções correlacionadas, publicados em diferentes países. Cada documento de patente da família baseia-se, normalmente, nos dados do primeiro pedido depositado no país da prioridade. Existem diferentes estruturas de famílias de patente. Para este Alerta, o termo família de patente refere-se ao conceito de “família simples”, na qual todos os documentos de patente têm em comum o número e a data da prioridade unionista (WIPO, 2008).

1.2 - Pedidos de patentes sobre Energia Solar

Embora ainda não tenha sido inventado um sistema de produção de energia que seja totalmente limpo, diversas soluções para a crescente demanda energética mundial tem sido desenvolvidas visando minimizar os impactos negativos sobre o meio ambiente, dentre tais soluções destacam-se aquelas baseadas em fontes inesgotáveis de energia, tal como a energia solar.

Atualmente a produção de energia solar em grande escala ainda não apresenta custo competitivo se comparado aos sistemas tradicionais de geração de energia, tais como os baseados em combustíveis fósseis e a geração hidrelétrica, embora já existam em operação sistemas de aquecimento solares de baixo custo, usados para aquecimento de água em residências.

Deve-se considerar também que a produção de energia solar sofre a influência de condições climáticas adversas tais como: nebulosidade, chuva e neve, além de ser interrompida a noite. Tais características determinam a implantação de meios de armazenamento da energia produzida nos períodos favoráveis, aumentando os custos envolvidos na operação.

A despeito de tais fatores restritivos, o uso da energia solar apresenta muitas vantagens, podendo-se citar o fato de que a mesma tem por base uma fonte energética praticamente inesgotável.

Além disso, os processos de produção de energia solar tem baixo impacto sobre o meio ambiente, pois não emitem resíduos durante a conversão e os equipamentos utilizados tem baixo índice de manutenção, além disso podem ser instalados em localidades remotas, tal como o interior do Brasil, evitando elevados gastos com extensas linhas de transmissão.

Para ser utilizada, a energia solar inicialmente é capturada e depois é convertida para outras formas de potência, tais como calor e energia elétrica.

Os principais processos de aproveitamento da energia gerada pelo sol atualmente empregados são: o processo heliotérmico, também chamado de fototérmico ou termossolar, e o processo fotovoltaico.

No processo heliotérmico a energia solar é absorvida pelos corpos sob a forma de calor, os coletores solares, os quais aquecem fluidos (líquidos ou gasosos) que podem ser usados diretamente (como no caso da água quente) ou mantidos em reservatórios termicamente isolados. Tais fluidos aquecidos podem também gerar gases para o acionamento de turbinas.

Já no processo fotovoltaico, após a captura da luz solar, esta é diretamente convertida em energia elétrica pelo chamado efeito fotovoltaico, no qual uma diferença de potencial é gerada nos extremos de estruturas, a partir da absorção da luz por materiais semicondutores, sendo sua unidade fundamental a chamada célula fotovoltaica.

É de grande relevância notar que o território brasileiro possui latitude equatorial e está localizado, em sua maior parte, na região inter-tropical, com alto nível de incidência solar durante o ano. Outro fator extremamente positivo reside no fato de que possuímos grandes reservas de silício solar, matéria prima dos painéis de captação, constituindo importante vantagem estratégica a nível mundial.

Assim, objetivando fornecer informações importantes sobre o estado da técnica relacionado às tecnologias de aproveitamento da energia solar, como suporte aos interessados em desenvolver tecnologia endógena, o INPI, através da Coordenação de Estudos e Programas do CEDIN, publica este alerta tecnológico com os mais recentes desenvolvimentos nesse setor, os quais foram alvo de depósitos de patente em todo o mundo.

Para a realização deste trabalho, utilizou-se o banco de dados do Escritório Europeu de Patentes. O período selecionado para pesquisa compreendeu os pedidos de patente publicados entre 01/07/2012 a 31/12/2012. A metodologia para a coleta dos documentos levou em conta as áreas da Classificação Internacional de

Patentes - CIP, na qual foram selecionados os pedidos de patente que apresentem pelo menos uma das classificações internacionais⁶ a seguir:

- F24J2/00. Utilização de calor solar, por ex., coletores de calor solar
- F24J2/04. Coletores de calor solar com o fluido de trabalho conduzido através do coletor
- F24J2/05. Coletores de calor solar envolto por um fechamento transparente
- F24J2/10. Coletores de calor solar tendo refletores como elementos de concentração
- F24J2/24. Coletores de calor solar com o fluido de trabalho sendo conduzido através de condutos tubulares absorvedores de calor
- F24J2/30. Coletores de calor solar com meios para trocar de calor entre uma pluralidade de fluidos
- F24J2/38. Utilização de calor solar empregando meios de reboque
- F24J2/40. Sistemas de calor solar não incluídos em outro local
- F24J2/46. Partes componentes, detalhes ou acessórios de coletores de calor solar
- F24J2/48. Utilização de calor solar caracterizado pelo material absorvedor
- F24J2/50. Coletores de calor solar com coberturas transparentes
- F24J2/52. Disposições de montagem ou suporte
- F24J2/54. Coletores de calor solar especialmente adaptados para movimentos rotativos
- H01L31/042. Dispositivos semicondutores sensíveis à radiação infravermelha compreendendo um painel ou um conjunto de células fotovoltaicas.
- E04D13/18. Aspectos de cobertura de telhados relativos a dispositivos que colem energia,

⁶ Um documento de patente pode conter uma ou mais classificações.

2. RESULTADOS

2.1 - Mundo

No Gráfico 1 são apresentados os países de prioridade⁷ - dos documentos recuperados no segundo semestre de 2012, bem como as ocorrências em cada país. A busca realizada no sistema resultou num total de 3483 documentos de patente publicados ao redor do mundo no período considerado. Um ponto importante a ser analisado diz respeito ao país da prioridade unionista do depósito, que é o país onde foi realizado o primeiro depósito. O depositante pode solicitar a prioridade de seu pedido de patente em um país diferente do de sua residência, o que não se verifica na maioria dos pedidos. Considera-se que alguns depositantes optam por não efetuar seus pedidos prioritários nos países onde residem, motivados, dentre diversos fatores, pela constatação de que outros países apresentam mercados mais atrativos.

Assim, a observação do número de prioridades nem sempre indica a origem da tecnologia contida nos documentos de patentes publicados, portanto, havendo necessidade, deve-se proceder a análises mais profundas para elaborar uma avaliação mais precisa do potencial de desenvolvimento tecnológico de cada país.

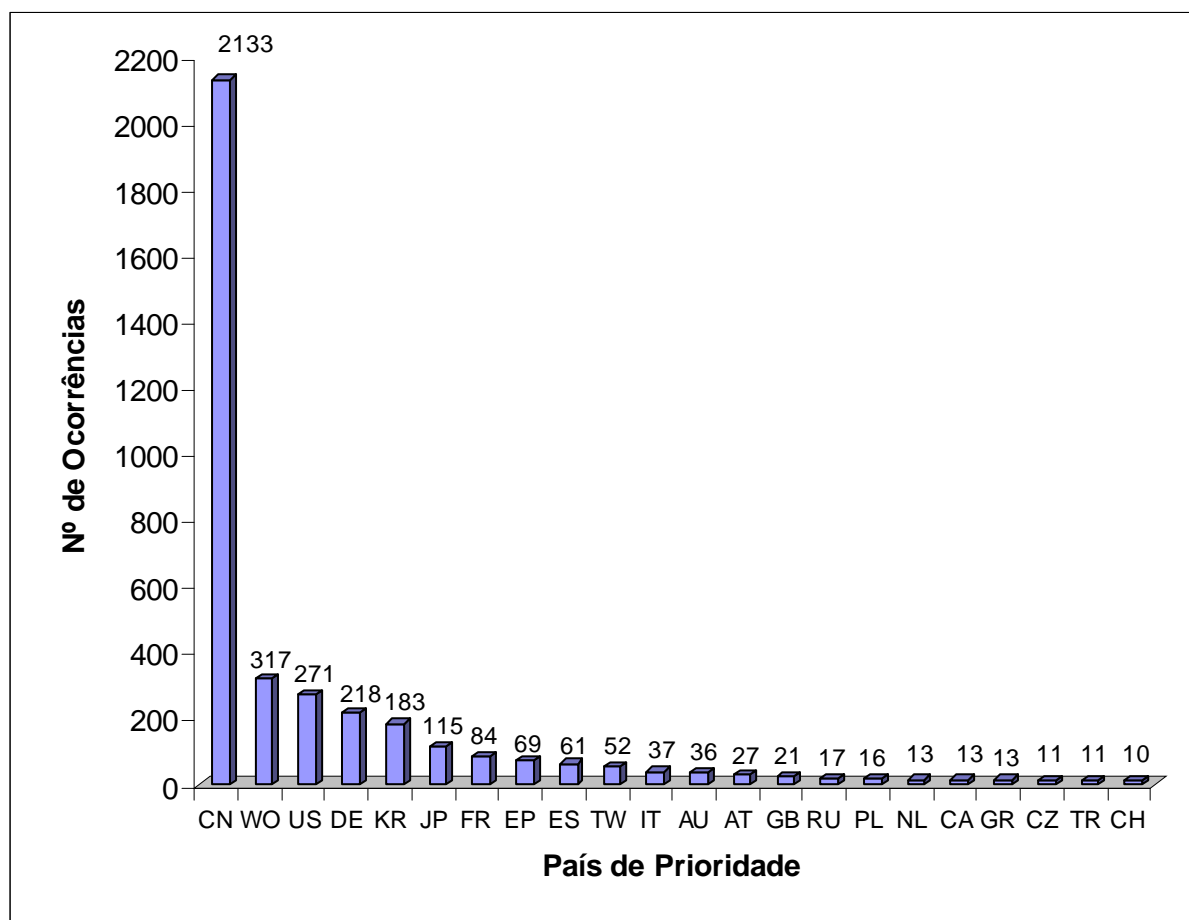
Mantendo a tendência dos demais alertas publicados sobre energia solar, e com base no Gráfico 1, pode-se verificar que o país com maior incidência de pedidos de prioridade publicados no período foi a China com 2133 documentos, representando 61,24% do total, e um crescimento de 11,38% em relação ao último levantamento, referente ao primeiro semestre de 2012. Em segundo lugar figuram os pedidos depositados através do Tratado de Cooperação em Matéria de Patentes (em inglês Patent Cooperation Treaty – PCT), que são efetuados na OMPI – Organização Mundial da Propriedade Intelectual, e inicialmente designados pela sigla WO, com um total de 317 documentos, representando 9,10% do total. Tal como verificado nos alertas tecnológicos anteriores relativos ao mesmo assunto, cabe ressaltar a grande diferença no número de depósitos entre os dois primeiros

⁷ Conforme estabelecido pela Convenção de Paris (CUT) em seu Art. 4º, o primeiro pedido de patente depositado em um dos países membros da Convenção serve de base para depósitos subsequentes relacionados à mesma matéria, efetuados pelo mesmo depositante ou por seus sucessores legais. Tem-se assim o **Direito de Prioridade**. O prazo para exercer tal direito é de 12 meses, para invenção e modelo de utilidade. Ver Art. 16, da Lei da Propriedade Industrial (LPI), nº 9.279/96 – disponível em www.inpi.gov.br.

colocados e os demais 44 países. A terceira posição no ranking de prioridades é ocupada pelos Estados Unidos com 271 pedidos publicados, equivalendo a 7,78% do total, a Alemanha com 218 pedidos prioritários detém o quarto lugar no ranking, equivalendo a 6,25% das ocorrências, a Coréia do Sul aparece na quinta posição do ranking com 183 pedidos, representando 5,25% do total de pedidos prioritários publicados no período, o Japão ocupa a sexta posição do ranking, totalizando 115 pedidos, que correspondem a 3,30% dos pedidos prioritários publicados no segundo semestre de 2012.

O Gráfico 1 a seguir apresenta os vinte países e as duas organizações internacionais com maior número de pedidos prioritários publicados no período. Cabe esclarecer, ainda, que os pedidos designados inicialmente pela sigla EP (European Patent) foram depositados no Escritório Europeu de Patentes (em inglês European Patent Office – EPO), figurando na oitava posição do ranking com 69 pedidos.

Grafico 1: Países de prioridade dos documentos recuperados em nível mundial x número de ocorrências.



Fonte: Elaboração própria a partir do banco de dados do Escritório Europeu de Patentes.

De acordo com o gráfico 1 as siglas dos principais países de prioridade são apresentados abaixo (vide relação completa no Anexo I).

CN – China

WO – WIPO (pedidos via PCT)

US– Estados Unidos da América

DE – Alemanha

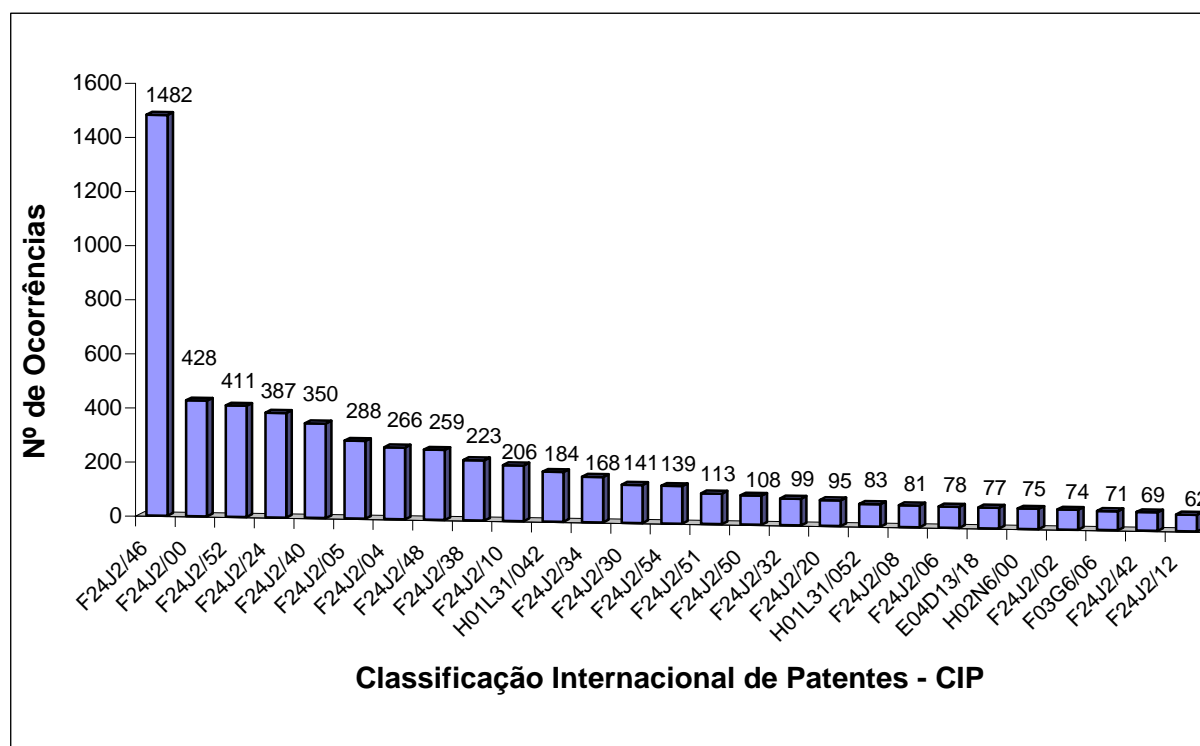
KR – Coréia do Sul

JP – Japão

No que concerne às áreas de concentração da tecnologia, tomando-se por base os itens da Classificação Internacional de Patentes – CIP, foram considerados apenas os grupos com 62 ou mais incidências nos quais estavam distribuídos os documentos encontrados. Dentre os vinte e sete principais grupos da CIP identificados nos documentos publicados, constata-se que a maior concentração de pedidos (24,63%) enquadra-se no subgrupo F24J2/46. Também destaca-se a concentração de documentos no grupo principal F24J2/00 que responde por 7,11% das ocorrências (a relação completa dos títulos dos subgrupos consta da página 8).

O gráfico 2, a seguir, permite visualizar como estão distribuídas as principais classificações das tecnologias relacionadas à energia solar, descritas nos pedidos de patente publicados no segundo semestre de 2012.

Gráfico 2: Distribuição dos documentos pela Classificação Internacional de Patente



Fonte: Elaboração própria a partir do banco de dados do Escritório Europeu de Patentes.

No que diz respeito às áreas de concentração tecnológica dos pedidos, segundo a Classificação Internacional de Patentes, cabe ressaltar o considerável

aumento número de pedidos classificados em F24J2/05, que evoluíram da décima para a sexta posição no ranking atual.

No tocante aos principais depositantes de pedidos de energia solar, foram considerados apenas aqueles que contam com nove ou mais incidências, os quais estão relacionados na Tabela 1 apresentada abaixo.

Tabela 1: Relação dos principais depositantes dos países com pedidos de prioridade de patente e o número de pedidos publicados no 2º semestre de 2012

Depositante	Total de Documentos
ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD [CN]	30
SIEMENS AG [DE]	27
SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD [CN]	23
HIMIN SOLAR CO LTD [CN]	20
XIANJIE YANG [CN]	18
ABENGOA SOLAR NEW TECH SA [ES]	17
CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD [CN]	15
BOSCH GMBH ROBERT [DE]	13
GUANGDONG FIVESTAR SOLAR ENERGY CO LTD [CN]	12
CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD [CN]	12
SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD [CN]	11
CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD [CN]	10
BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD [CN]	10
ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD [CN]	10
HITACHI PLANT TECHNOLOGIES LTD [JP]	9
QI DING [CN]	9
HELIAO XU [CN]	9
SAINT GOBAIN [FR]	9
XINGUANG LIU [CN]	9
BEIJING TSINGHUA SOLAR SYSTEMS CO LTD [CN]	9

Fonte: Elaboração própria a partir do banco de dados do Escritório Europeu de Patentes.

De acordo com os dados da Tabela 1, a exemplo do que ocorreu no alerta anteriormente publicados constata-se a manutenção do primeiro lugar pelos depositantes chineses, os quais ocupam quinze posições dentre os vinte e um principais depositantes, perfazendo o total de 282 pedidos publicados. Os depositantes alemães ocupam a segunda posição contando com dois depositantes que totalizam 40 pedidos. Constam ainda da tabela dois depositantes japoneses, dois franceses, e um único representante de origem espanhola, cada um destes

contabilizando por nacionalidade dos depositantes, 17 pedidos publicados no período.

2.2 - Brasil

No tocante aos pedidos de patente brasileiros, com base nos dados constantes da Tabela 2, foram identificados seis documentos depositados no país, sendo dois com prioridade nacional. Dentre os quatro pedidos com prioridade estrangeira publicados no Brasil constam dois pedidos com prioridade americana, um com prioridade francesa e outro com prioridade taiwanesa. Dentre os quarenta e seis países com depósitos prioritários publicados, o Brasil ocupa trigésima sétima posição no ranking de prioridades, caindo doze posições em relação ao alerta anterior.

O perfil dos depositantes brasileiros revela que os dois pedidos prioritários encontrados, foram efetuados por inventores independentes. Não foi detectado nenhum pedido com prioridade brasileira que tenha sido efetuado no exterior e publicado no segundo semestre de 2012.

Tabela 2: Dados bibliográficos dos Pedidos de Patente sobre Energia Solar publicados no segundo semestre de 2012

(Ordenados segundo o código do país de publicação)

Obs:

1- Os depósitos efetuados pelo sistema PCT – Patent Cooperation Treaty, representados pela sigla WO – Wipo Organization, contam com 178 ocorrências e correspondem a pedidos de prioridade de diversas nacionalidades, já que o sistema PCT atualmente é adotado por 142 países.

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
AR081270 A1 20120801	AU20080902433 20080516; AU20080902054 20080424; AU20080904898 20080919	F24J2/04	FIRST GREEN PARK PTY LTD [AU]	DESTILADORES SOLARES
AR082462 A1 20121212	CL20100000848 20100806	F24J2/24	CALDER SOLAR LTDA [CL]	UNIT FOR HARNESSING SOLAR POWER
AR082466 A1 20121212	AR2011P102799 20110803	F24J2/24	GARNICA JAVIER HERNAN [AR]	PLACA COLECTORA PARA PANELES SOLARES DE PLACA PLANA
AT12607U U1 20120815	AT20120008003U 20100427; AT20100000691 20100427	F24J2/04; F24J2/24; H01L31/058	VAILLANT GROUP AUSTRIA GMBH [AT]	KOMBINATIONSKOLLEKTOR
AT12759U U1 20121115	DE201020008482U 20100908	F24J2/52	IBC SOLAR AG [DE]	VERSTÄRKUNG EINES FLÄCHENELEMENTES MIT RAHMEN
AT12832U U1 20121215	AT20110000319U 20110601	F24J2/52	MAGE SUNFIXINGS GMBH [AT]	SOLAR- DACHANBINDUNGSSYSTEM
AT511006 A1 20120815	AT20100001926 20101119	F24J2/52	NOCKER THOMAS [AT]	MONTAGESYSTEM UND VERFAHREN ZUR BEFESTIGUNG VON SOLARMODULRAHMEN AUF DARUNTERLIEGENDE PRIMÄRSCHIENEN
AT511007 A1 20120815	AT20100002093 20101220	F24J2/52; F24J2/05; F24J2/14; F24J2/36; F24J2/50	HELIOVIS AG [AT]	AUFBLASBARER KONZENTRATOR ZUR BÜNDELUNG VON STRAHLUNG SOWIE VERFAHREN ZU DESSEN HERSTELLUNG
AT511079 A4 20120915	AT20110001157 20110811	F24J2/52	HILBER FRANZ [AT]	BEFESTIGUNGSANLAGE FÜR EINE PHOTOVOLTAIK-ANLAGE

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
AT511203 A4 20121015	AT20110001401 20110928	F24C9/00; F24J2/02; F24J2/04; F24J2/12	GRAGGER HELMUT [AT]	BACKOFEN
AT511248 A1 20121015	AT20110000393 20110321	F24J2/30; F28D1/047	EGG ROBERT ING [AT]	SPEICHER- WÄRMETAUSCHERVORRICHT UNG
AT511321 A4 20121115	AT20110001041 20110715	F24J2/46	TSW HOLDING GMBH [AT]	SONNENKOLLEKTOR
AT511324 A4 20121115	AT20110001424 20111003	F16L9/00; B21D5/10; E04B2/78; E04C3/07; F16B5/02; F16L9/17; F24J2/52	VOESTALPINE KREMS GMBH [AT]	ROHR
AU2010333645 A1 20120705	CH20090001942 20091217; WO2010CH00313 20101216	F24J2/12; F24J2/10	AIRLIGHT ENERGY IP SA [CH]	Parabolic collector
AU2010333831 A1 20120712	US20090644258 20091222; WO2010US60673 20101216	E04B7/18; F24J2/05	ECOMERIT TECHNOLOGIES LLC	Integrated panel with skylight, ventilation, solar hot water system and solar photovoltaic/lighting system
AU2010334294 A1 20120712	ZA20090009233 20091224; WO2010IL01083 20101223	F24J2/42	DOLAV PLASTIC PRODUCTS COOPERATIVE SOC LTD [IL]	Solar water heater
AU2010342008 A1 20120802	JP20100007645 20100118; WO2010JP73081 20101222	F24J2/38; F24J2/07; F24J2/12	HITACHI SHIPBUILDING ENG CO [JP]	Solar light collecting device and solar heat collecting facility
AU2010347514 A1 20121101	IT2010RM00032U 20100305; WO2010IB52829 20100622	E04D1/30; F24J2/04; H01L31/048	ISTITUTO RICERCHE PER LO SVILUPPO ECONOMICO E SOCIALE S R L	Building cover element with an integrated energy production device

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
AU2010349612 A1 20121101	JP20100083102 20100331; WO2010JP71740 20101203	H02N11/00; F24J2/04; H01L35/30	JGC CORP; SASAKURA ENG CO LTD; TOKYO INST TECH [JP]; KYUSHU INST OF TECHNOLOGY	Steam generation apparatus and energy supplying system using same
AU2010351928 A1 20121115	CN20101161170 20100430; WO2010CN01938 20101201	H02N6/00	HENRY NG SHUN	Solar energy generator
AU2010353855 A1 20121213	WO2010EP03164 20100525; WO2010EP06063 20101005	F24J2/54	FISCHER HANS-PETER	Mounting rack for a photovoltaic module and tracking device for a photovoltaic installation
AU2011200311 A1 20120809	AU20110200311 20110125	F24J2/24; F24J2/30	MITAKA KOKI KK	Heat exchanging structure of solar heat exchanger
AU2011201748 A1 20121108	AU20110201748 20110419	F24J2/34; F24J2/32	SUN2STEAM PTY LTD	Evacuated tube solar heat collector with integral heat storage
AU2011201927 A1 20120823	DE201010023562 20100609	F24J2/52; F24J2/46	SOLOON SE [DE]	Supporting plate for mounting solar modules on a flat substrate and supporting plate panel
AU2011205868 A1 20120816	WO2011NO00014 20110112; NO20100000057 20100113	F24J2/48; C23C18/12	NORSK HYDRO AS	Method for making an absorber coating for solar heating, the coating as such and its application
AU2011206309 A1 20120830	US20100295789P 20100118; WO2011IB50208 20110118	F24J2/40	TIGI LTD	System and method for temperature limiting in a sealed solar energy collector
AU2011209573 A1 20120816	GB20100001292 20100127; WO2011GB00082 20110124	B01D53/00; B01D53/72; B01D53/73; B01J19/12; F23G7/06; F23J15/02; F24J2/06; F24J2/07	PERRY OPHNEIL; CHALABI RIFAT	Improvements in thermal oxidisers, using concentrated sunlight

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AU2011210333 A1 20120719	WO2011B50422 20110131; EP20100152092 20100129	F24J2/46; B08B6/00; H01L31/0216	VOLOTEK SA	Intelligent and self-cleaning solar panels
AU2011211877 A1 20120823	JP20100024395 20100205; WO2011JP51790 20110128	F24J2/24; F24J2/07	MITSUBISHI HEAVY IND LTD [JP]	Solar heat receiver
AU2011212250 A1 20120802	GB20100001892 20100205; WO2011GB50178 20110203	F24J2/52; E04B2/88; E04F13/08	LATCHWAYS PLC	Panel mounting system
AU2011213546 A1 20120823	AU20100900401 20100202; WO2011AU00098 20110202; AU20110213546 20110202	F24J2/00; B63B35/34; B63B38/00; H01L31/04	C & L PASTORAL COMPANY PTY LTD [AU]	Floatation device for solar panels
AU2011214216 A1 20120823	FR20100000579 20100212; WO2011FR50255 20110208	F24J2/16; F24J2/52; F24J2/54	PK ENR	Solar collector having Fresnel mirrors
AU2011214699 A1 20121004	DE201010027034 20100714; DE201010007422 20100210; WO2011DE00123 20110210; DE201010025765 20100701	F24J2/10; F24J2/07; F24J2/08; F24J2/14	KUNZ GUNTHER; LORENZ PIERRE	Reflector, receiver arrangement, and sensor for thermal solar collectors
AU2011223409 A1 20121011	CN20101115538 20100302; WO2011CN71121 20110221	G02B19/00; F24J2/46	TIANJIN TAIYANGSHEN TECHNOLOGY CO LTD	Solar reflecting and condensing device using thin film

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AU2011223472 A1 20121025	AT20100000356 20100305; WO2011AT00100 20110302	B63B35/44; B63B7/06; F24J2/52	HELIOVIS AG [AT]	Floating platform
AU2011223473 A1 20121025	AT20100000355 20100305; WO2011AT00101 20110302	F24J2/12; F24J2/14; F24J2/52	HELIOVIS AG [AT]	Cushion-shaped concentrator
AU2011224454 A1 20121011	US20100723332 20100312; WO2011US27616 20110308	F24J2/16; F24J2/18; F24J2/54	AREVA SOLAR INC [US]	Secondary reflector for Linear Fresnel Reflector system
AU2011231660 A1 20121115	DE201010012573 20100323; WO2011EP54376 20110322	F24J2/48; C25D7/00; C25D11/22	ODB TEC GMBH & CO KG	Method and device for producing a highly selectively absorbing coating on a solar absorber component, and solar absorber having such a coating
AU2011235305 A1 20121011	US201113073332 20110328; US20100319601P 20100331; WO2011US30243 20110329	C03C17/23; C03C17/34; C03C17/36; F24J2/00; F24J2/46; G02B5/08; H01L31/00	PPG IND OHIO INC	A mirror having reflective coatings on a first surface and an opposite second surface
AU2011235479 A1 20120906	WO2011CN00029 20110106; CN20101244994 20100727; CN20101138078 20100402	H02N6/00; G05D3/00	LIU JIANZHONG	Automatic sunlight-tracking device
AU2011237957 A1 20121101	WO2011EP54883 20110330; EP20100159483 20100409	C09K5/12; F24J2/46	BASF SE [DE]	Liquid sulfur with improved viscosity as a heat transfer medium

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AU2011238410 A1 20120712	AU20100901513 20100409; AU20110238410 20110311; WO2011AU00280 20110311	F24H9/16; F24J2/46	DUX MFG LTD	A water heater and a method of operating same
AU2011238422 A1 20121122	AU20100901455 20100407; WO2011AU00394 20110407; AU20110238422 20110407	F24J2/42; B01D3/06; B01D9/02; C02F1/14	FIRST GREEN PARK PTY LTD [AU]	Method and apparatus for salt production
AU2011238945 A1 20121011	US20100319635P 20100331; WO2011US00568 20110330	B32B17/10; H01L25/04; H01L31/042; H01L31/048	PILKINGTON GROUP LTD	Photovoltaic window assembly with solar control properties
AU2011240484 A1 20121206	CN20101153222 20100414; WO2011CN72764 20110414	F24J2/38	SUZHOU SAIPA SOLAR TECHNOLOGY CO LTD	Solar heat collecting system
AU2011242488 A1 20121206	ZA20100002827 20100422; ZA20100005107 20100719; WO2011ZA00026 20110421	F24D11/00; F24D12/02; F24D19/10; F24H1/20; F28D20/00	BRUWER FREDERICK; BRUWER JR FREDERICK	Water heater with intermittent energy source
AU2011244423 A1 20121213	DE201010015632 20100420; WO2011EP56111 20110418	C09K5/12; F24J2/46	SIEMENS AG [DE]	Heat transfer medium based on sulphur and use of the heat transfer medium

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AU2011245061 A1 20121115	AU20100901762 20100427; WO2011AU00463 20110421; AU20110245061 20110421	F24J2/38; F24J2/54; G01S3/782; G05D3/00	UPTON ECOFORLIFE SOLAR TRACKERS PTY LTD	Solar tracking system
AU2011246933 A1 20121213	IT2010RM00203 20100429; WO2011IB51769 20110422	F24J2/07; F24H7/02; F24H7/04; F24J2/34; F28D20/00; F28F13/00; F28F21/02	MAGALDI IND SRL	Device and method for storage and transfer of thermal energy
AU2011251661 A1 20121129	US20100332840P 20100510; WO2011IB52027 20110509	F24J2/08; F24J2/30; F24J2/46; F24J2/50	KAFTORI DANIEL	Solar energy collecting systems and methods
AU2011253942 A1 20121101	CN20111088497 20110408; WO2011CN72659 20110412	F24J2/52	DONGGUAN ANWELL DIGITAL MACH	Mounting assembly for a solar panel and method for mounting thereof
AU2011257255 A1 20121220	FR20100054067 20100527; WO2011EP58568 20110525	F24J2/07; F24J2/10; F28F13/12	COMMISSARIAT ENERGIE ATOMIQUE [FR]	Module for a thermal absorber of a solar receiver, absorber comprising at least one such module and receiver comprising at least one such absorber
AU2011258022 A1 20121213	US20100364729P 20100715; US20100419685P 20101203; US20100349697P 20100528; WO2011US38412 20110527	F24J2/38	QBOTIX INC	Heliostat repositioning system and method

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AU2011264575 A1 20121213	US20100796875 20100609; WO2011US37209 20110519	F24J2/38; F24J2/40	SUNPOWER CORP [US]	Method of operating a solar tracking apparatus
AU2011291177 A1 20121108	CN20101254301 20100816; WO2011CN78501 20110816	F16F15/10; F24J2/38	CHENG DU ZHONG SHUN SCIENCE AND TECHNOLOGY DEV CO LTD [CN]	Cam turntable, sun-tracking device equipped with same and control method for the device
AU2012100261 A4 20120712	AU20110900832 20110309; AU20120100261 20120308	F24J2/12; F24J2/46	TANG ZHAO	MGCTC
AU2012100793 A4 20120816	CN20122198297U 20120504	F24J2/46	ZHANGJIAGANG FREEDOM NEW ENERGY CO LTD	A kind of solar photovoltaic bracket connecting component
AU2012101058 A4 20121004	CN20112369668U 20110928; CN20112362087U 20110926; CN20112362090U 20110926; CN20112369599U 20110928; CN20112362063U 20110926; CN20112362086U 20110926; CN20112369662U 20110928; CN20112369669U 20110928	F24J2/52; F24J2/46	SUZHOU RADIANT PHOTOVOLTAIC TECHNOLOGY CO LTD	Solar panel mounting system
AU2012101059 A4 20120906	AU20120101059 20120717	F24J2/00; F24H1/06	STEVENS HEATHER	Portable solar hot water thermos and kettle

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AU2012101096 A4 20120823	AU20120101096 20120724	A47K10/48; D06F60/00; F24J2/00; F24J2/02	TONGXIANGSHI PUYUAN SHEERDE KNITTED GARMENT FACTORY	An outdoor solar energy drying machine
AU2012101125 A4 20120920	AU20120101125 20120727	H01B7/17; F24J2/46	SPECTRACRAFT PTY LTD	Triple SDI cable
AU2012101259 A4 20120913	AU20120101259 20120820	F24H1/20; F24H9/06; F24J2/00	DUX MFG LTD	A water heater
AU2012101345 A4 20121004	AU20120101345 20120904	F24J2/36; B65D88/12; B65D90/20	PB HOLDINGS QLD PTY LTD	Extendable solar panel assembly for a container
AU2012101363 A4 20121115	AU20110903601 20110906; AU20120101363 20120905	F22D7/12; F22G5/12; F24J2/40	YEOMANS ALLAN	Pressure regulation method and apparatus for solar energy collecting apparatus
AU2012101379 A4 20121115	AU20120101379 20120907	F24J2/54	YEOMANS ALLAN	Guide roller assembly for radiant energy collecting apparatus
AU2012101518 A4 20121129	AU20120101518 20121009	F24J2/38	IGNATIUS BENNY; CROOKS CHRISTOPHER	Solar tracking solar hot water system
AU2012101655 A4 20121220	AU20120101655 20121106	F24J2/44; A01G9/24; F24F13/26; F24H7/00	GILL PETER	Underfloor solar air heating and cooling device for domestic application
AU2012200216 A1 20120802	US201113007262 20110114	F22B1/00; F24H1/00; F24J2/00	BABCOCK POWER SERVICES INC [US]	Heat transfer passes for solar boilers
AU2012201040 A1 20120906	AU20110900601 20110222; AU20120201040 20120222	F24J2/26; F24H4/04; F24J2/34; F24J2/42	NUE PTY LTD	Solar Hot Water System
AU2012202616 A1 20121004	US201161454011P 20110318; WO2012US29160 20120315	F24J2/52	HADDOCK ROBERT; HADDOCK DUSTIN	Corrugated panel mounting bracket

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AU2012202671 A1 20121129	AU20110901799 20110512; AU20120202671 20120508	F24J2/40; E04H4/14	ASTRAL POOL AUSTRALIA PTY LTD; FABTRONICS AUSTRALIA PTY LTD	Solar heating
AU2012203234 A1 20120719	WO2011AU01687 20111222	F24J2/38	COMMW SCIENT IND RES ORG	Heliostat control
AU2012216633 A1 20120920	AU20120200719 20120207; AU20120216633 20120904	F24D19/10; F24D17/00; F24H9/20; F24J2/40	DUX MFG LTD	Methods and apparatuses for operating hot water systems
AU2012223120 A1 20121004	AU20120223120 20120914; AU20080299119 20080909	F24J2/06; H01L31/052	BANYAN ENERGY INC	Compact optics for concentration, aggregation and illumination of light energy
BE1019461 A3 20120703	BE20100000511 20100830		WILLAERTS JOHAN PIETER A [BE]	BEVESTIGINGSELEMENT VOOR DE MONTAGE VAN EEN INRICHTING OP EEN DAK.
BE1019560 A3 20120807	BE20100000644 20101028		TWIN ZINC BELGIUM [BE]	DAKMONTAGESYSTEEM VOOR PANELEN, EN EEN WERKWIJZE VOOR HET MONTEREN ERVAN.
BRMU9001273U U2 20121023	BR2010MU9001273U 20100602	B62D59/00; F24J2/10	MORAIS MARCELO DA MOTA TORRES [BR]	disposição construtiva aplicada em reboque para veiculos automotores
BRMU9002029U U2 20121225	BR2010MU9002029U 20100813	F24J2/24	NELSON IVAN IBANEZ FAUNDEZ [BR]	disposição técnica introduzida em coletor de baixo custo
BRPI0614060 A2 20121120	FR20050052416 20050802; WO2006FR50552 20060613	G02B5/02; F24J2/06; G02B5/04; H01L31/052	SAINT GOBAIN [FR]	conjunto, parede, muro anti- ruído, processo de captação da luz e placa de um material transparente
BRPI0711921 A2 20120717	US20060436432 20060518; WO2007CA00459 20070322	F24F13/30; F24F3/00; F24F3/14; F24J2/04	HOLLICK JOHN C [CA]	método e aparelho para a refrigeração de ar de ventilação para um edifício

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BRPI0915029 A2 20121225	US20080060377P 20080610; WO2009US46860 20090610	F24J2/04	WATTS PHILLIP C [US]	sistema de energia integrado para residência ou prédio inteiro
BRPI1101839 A2 20120821	TW20100112014 20100416	F24J2/00	FUNG GIN DA ENERGY SCIENCE AND TECHNOLOGY CO LTD [TW]	aparelho de aquecimento de água utilizando energia solar
CA2730484 A1 20120713	US201161432251P 20110113	F24J2/52; E04B7/00; E04C3/02	SOLAR POWER PRODUCTS INC [CA]; CANAM GROUP INC [CA]	ROOF TRUSS KIT TO ENABLE SUPPORT OF SOLAR PANELS ON ROOF STRUCTURES
CA2733635 A1 20120910	CA20112733635 20110310	F24J2/20	MC2 EN INC [CA]	SOLAR AIR HEAT COLLECTOR
CA2734912 A1 20120918	CA20112734912 20110318	F24J2/54	ZHANG YONGGANG Y [CA]	PV SOLAR PANEL SYSTEM WITH REFLECTORS
CA2736418 A1 20121007	CA20112736418 20110407	F24J2/42; F25B27/00; F25B30/06	MENG NING [CA]	A LOW TEMPERATURE SOLAR POWER SYSTEM
CA2736457 A1 20121007	CA20112736457 20110407	F24J2/42; E04B1/74; F21S8/00; F21S11/00; F21V7/00; F24J2/52	VANDAN SUHBAATAR [CA]	REFLECTED SUN LIGHT-ENERGY TECHNOLOGY (R.S.L.E. TECH)
CA2739766 A1 20121110	CA20112739766 20110510	E04D13/18; F16B5/00	RICHARDSON ROBERT [CA]	ROOF SOLAR PANEL FOR CONVENTIONAL SLOPING ROOF AND SHINGLE INTEGRATION
CA2740042 A1 20121110	CA20112740042 20110510	F25B30/00; F24J2/00	GEOFROY PAUL J [CA]	SOLAR AND AMBIENT SOURCED HEAT PUMP SYSTEM
CA2741777 A1 20121124	CA20112741777 20110524	F24J2/04	MENG NING [CA]	LOW TEMPERATURE RANKINE CYCLE SOLAR POWER SYSTEM WITH LOW CRITICAL TEMPERATURE HFC OR HC WORKING FLUID
CA2744106 A1 20121223	CA20112744106 20110623	F24J2/34; F24D11/00;	BRILLINGER DAVID A [CA]	HYBRID SOLAR GEOTHERMAL SYSTEM

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		F24J3/00		
CA2765613 A1 20120801	US201161438286P 20110201; US201213352430 20120118	F16B5/06; F16B2/12; F16B5/12; F24J2/52	THOMAS & BETTS INT [US]	PANEL CLAMP
CA2767317 A1 20120928	US201161468207P 20110328; US201213365629 20120203	F24J2/52; F16M1/00; F16M11/00	1541689 ONTARIO INC [CA]	SOLAR PANEL SUPPORTS
CA2772531 A1 20120922	US201161466111P 20110322	F24J2/04	QUEEN LAWRENCE J [CA]	SOLAR COLLECTING SYSTEM USING A ROCK MASS
CA2772832 A1 20121001	US201161470603P 20110401	H01L31/042; F16B5/02; F16B5/06; F16M1/00; F24J2/52	ALLIED TUBE & CONDUIT CORP [US]	PANEL LOCK SOLAR CLAMP
CA2773009 A1 20121013	US201113085505 20110413	F24J2/52	SOLON SE [DE]	FRAME-LIKE HOLDER FOR A SOLAR PANEL, WITH A CABLE HOLDER
CA2774261 A1 20121014	US201161457509P 20110414; US201161565195P 20111130	F24J2/40; F21S11/00; F24J2/00; G06F17/50	SUNTRACKER TECHNOLOGIES LTD [CA]	PREDICTIVE DAYLIGHT HARVESTING SYSTEM
CH704394 A2 20120731	CH20110000144 20110128	F24J2/10; G02B7/185	AIRLIGHT ENERGY IP SA [CH]	Verfahren und Vorrichtung zur Messung der Reflektionseigenschaften eines Reflektors.
CH705138 A2 20121231	CH20110001091 20110629	F24J2/13	OSTERTAG GERARD [CH]	Solar apparatus for collecting heat to produce electricity, has receiver that is arranged in shape of half-sphere that collects heat and transforms water into vapor, where vapor is directed towards condenser that transforms vapor into water

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CN102525291 A 20120704	CN20101598851 20101221	A47J37/07; A47J37/06; F24J2/02	XIYUAN ZHANG	Portable solar barbecue box
CN102532648 A 20120704	CN20101618842 20101231	C08L23/06; C08K3/04; C08K5/3435; C08K5/524; F16L9/12; F24J2/46	FUJIAN ATON ADVANCED MATERIALS TECHNOLOGY CO LTD	Solar energy special plastic pipeline
CN102534497 A 20120704	CN20121087270 20120329	C23C14/06; C23C14/34; F24J2/48; F24J2/50	DEZHOU JINHENG NEW ENERGY CO LTD	High temperature selective absorption coating based on stainless steel material and manufacture method thereof
CN102534721 A 20120704	CN20121037496 20120217	C25D11/08; C23C28/00; C25D11/18; C25D11/22; F24J2/48; F24J2/50	SHANGHAI ANOMETAL ALUMINUM CO LTD	Method for preparing solar selective absorption film
CN102535765 A 20120704	CN20101576332 20101207	E04D13/18; F24J2/34	BIN QU	Solar tile
CN102535940 A 20120704	CN20101595208 20101220	E04H14/00; E04B1/74; E04B1/76; E04D13/18; F24D15/02; F24J2/00	XINGUANG LIU	Solar building
CN102536700 A 20120704	CN20101588437 20101214	F03G6/06; F24J2/10; G02B1/10; G02B7/182; H02N6/00	CHEN WANG; JIN TAO	Set of system for comprehensively increasing light radiation intensity and utilization rate of solar power station
CN102536702 A 20120704	CN20101619209 20101231	F03G6/06; F01D15/10; F01K19/00; F03D9/02; F22B1/00; F24J2/16	GUOQING SHI	Siphon air-cooling tower type solar thermal power generation device with horizontal condenser

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CN102536703 A 20120704	CN20101619401 20101231	F03G6/06; F01D15/10; F01K19/00; F03D9/02; F22B1/00; F24J2/16	GUOQING SHI	Siphon air-cooling tower-type solar thermal power generation device with exhaust valve
CN102536707 A 20120704	CN20121019268 20120120	F03G6/06; F02G1/043; F24J2/00; F24J2/08; F24J2/10	ZHONGYANG MENG; QIANMAO REN	Trough-type solar energy comprehensive utilization system
CN102537472 A 20120704	CN20111462223 20111211	F16K31/04; F24J2/46	LIGUO FENG	Check type emptying valve of solar heater
CN102537500 A 20120704	CN20121013445 20120111	F16K37/00; F16K31/64; F24J2/46	GUANGQUAN LI	Solar water heater emptying valve with water temperature and water level sensor
CN102537622 A 20120704	DE201010040124 20100901	F16M13/02; F24J2/52	MOUNTING SYSTEMS GMBH [DE]	Profile rail, support element and solar module arrangement formed therewith
CN102537664 A 20120704	CN20111384501 20111128	F17D1/18; F24J2/00	UNIV NANJING	Day and night solar heat tracing system for heavy oil
CN102537912 A 20120704	CN20121049738 20120229	F22B1/00; F22B1/28; F24J2/00; F24J2/34	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Method and system for generating high-temperature sterilized steam by using solar thermal and molten salt storage energy
CN102538187 A 20120704	CN20121021705 20120201	F24H3/00; F24H9/00; F24H9/18; F24H9/20; F24J2/04; F24J3/08	MINGHUA ZHONG	Solar and terrestrial heat heating and air supplying device
CN102538195 A 20120704	CN20121018795 20120120	F24H4/04; F24H9/00; F24J2/00	YANXI SHEN	Solar special condensed state utilizing system and working method thereof
CN102538216 A 20120704	CN20101589393 20101215	F24J2/00; F24J2/52	YONGJIE YANG	Indoor/outdoor dual-purpose solar water heater
CN102538217 A 20120704	CN20121005756 20120109	F24J2/00; F24J2/40; F24J2/46	ZHEJIANG GAODELE NEW ENERGY CO LTD	Photoelectric complementary solar water heater

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CN102538218 A 20120704	CN20121018304 20120120	F24J2/00; F22D1/16; F24J2/04; F24J2/40	DALIAN DECHANG ENERGY ENVIRONMENT DEV CO LTD	Solar energy hot water and boiler waste heat recovery integrated system
CN102538219 A 20120704	CN20121021791 20120131	F24J2/00; F24J2/06; F24J2/34; F24J2/38	QI YU	Solar energy integrated application system and implementation method thereof
CN102538220 A 20120704	CN20121038273 20120220	F24J2/00; F24J2/40	XIANGZHEN ZHU	Water heating device for solar water heater and control method of water heating device
CN102538221 A 20120704	CN20121064286 20120313	F24J2/00; B32B38/16; B41J29/00; F24J2/04; F24J2/40	DALIAN TIANRUN NEW ENERGY TECHNOLOGY CO LTD	Industrial solar nano electric heating and radiating device
CN102538222 A 20120704	CN20121076004 20120321	F24J2/00; F24J2/38; F24J2/46; G02B7/198; G02B19/00	LIANG MENG	Solar transmission device
CN102538223 A 20120704	CN20101606253 20101222	F24J2/02; F24J2/46	SHANGHAI BUSINESS & INF COL	Novel solar cooker
CN102538224 A 20120704	CN20101599265 20101221	F24J2/04; F24J2/46	XIYUAN ZHANG	Functional solar collector
CN102538225 A 20120704	CN20121017564 20120119	F24J2/04; F24J2/40	SHENZHEN LIANXUN INNOVATION WORKSHOP TECHNOLOGY DEV CO LTD	Solar thermal collector
CN102538226 A 20120704	CN20121031714 20120213	F24J2/04; F24J2/46	KUNYU WANG	Large-caliber glass and metal covering solarization type solar water heater
CN102538227 A 20120704	CN20121044285 20120227	F24J2/04; F24J2/40	GUO XU; GE XU	Forced circulation energy storage method of tandem solar heat collector
CN102538228 A 20120704	CN20101589159 20101215	F24J2/05; E06B3/66; E06B3/67; E06B9/40; E06B9/42; F24J2/24; F24J2/30; F24J2/46	YUSHAN LIANG	Solar door window and skylight light-control energy-saving vacuum water heater

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CN102538229 A 20120704	CN20101623776 20101231	F24J2/05; F24J2/24; F24J2/30; F24J2/40; F24J2/48	WEIMIN ZHUO	Heat collecting system with double-row solar vacuum tube matrix
CN102538230 A 20120704	CN20111455355 20111230	F24J2/05; F24J2/34; F24J2/48; F24J2/50; F24J2/51	UNIV XI AN JIAOTONG	Solar phase change thermal storage heating apparatus and method
CN102538231 A 20120704	CN20121011550 20120113	F24J2/05; F24J2/06; F24J2/24; F24J2/38; F24J2/46	BEIJING INST TECHNOLOGY	Fresnel transmission and reflection composite condensation drum type solar high-temperature heat collector
CN102538232 A 20120704	CN20121044505 20120221	F24J2/05; F24J2/24; F24J2/46; F24J2/50	ANHUI UNIVERSITY OF ARCHITECTURE	No-welding-seam heat collector
CN102538233 A 20120704	CN20121079942 20120326	F24J2/08; F22B1/00; F24J2/05; F24J2/46	WANHONG LI	Double-linked solar thermal collector
CN102538234 A 20120704	CN20101599458 20101217	F24J2/10; F24J2/46	CUBE ENERGY TECHNOLOGY SHANGHAI CO LTD E	Solar collector array
CN102538235 A 20120704	CN20121017900 20120119	F24J2/20; F24J2/46; F24J2/51	HUBEI GUIZU VACUUM SCIENCE & TECHNOLOGY CO LTD	Panel solar thermal collector
CN102538236 A 20120704	CN20111416399 20111214	F24J2/22; F24J2/46; F24J2/48	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Reinforced flat-plate solar air collector
CN102538237 A 20120704	CN20101580794 20101209	F24J2/24; F24J2/06; F24J2/46	HANGZHOU SANHUA INST CO LTD	Solar heat exchanging system and heat collector thereof
CN102538238 A 20120704	CN20101586191 20101214	F24J2/30; F24J2/46; F24J2/51	RUGAO JIANGHAI TECHNICAL SCHOOL	Wall-mounted solar water heater
CN102538239 A 20120704	CN20121012209 20120116	F24J2/30; F24J2/46	GUANGXI BIDI PHOTOELECTRIC TECHNOLOGY ENGINEERING CO LTD; UNIV GUANGXI	Flat-plate solar water heater
CN102538240 A 20120704	CN20121013516 20120116	F24J2/30	GUANGDONG HONGRI SOLAR ENERGY CO LTD	Solar direct drinking water heating system

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CN102538241 A 20120704	CN20101589469 20101215	F24J2/32; F24J2/46	CHANGZHOU DAILY SOLAR CO LTD; UNIV CHANGZHOU; ZHENGJIANG TIANHONG NEW ENERGY LTD COMPANY	Process for manufacturing gravity heat pipe type solar flat-plate heat collector
CN102538242 A 20120704	CN20101562531 20101129; CN20111403217 20111127	F24J2/32	LIDE TAO	Superconducting heat pipe-type heat exchanger and liquid filling method thereof
CN102538243 A 20120704	CN20121063648 20120312	F24J2/32; F24J2/46	UNIV CENTRAL SOUTH; GUANGDONG SHAOGANG SONGSHAN CO LTD	Flat-plate type solar water heater device
CN102538244 A 20120704	CN20101603685 20101221	F24J2/34; F24J2/46	YOU MAO WU	All-weather solar water heater
CN102538245 A 20120704	CN20111345165 20111104	F24J2/38; F24J2/06; H01L31/052	YAN JIANG	Light guide solar system
CN102538246 A 20120704	CN20121006894 20120110	F24J2/38; B66D1/44; F15B13/02	TIANJIN OMAN HYDRAULIC CIRCUIT ENGINEERING CO LTD	Proportional hydraulic control tracking system for butterfly type solar thermal generating set
CN102538247 A 20120704	CN20101580095 20101209	F24J2/46	GUANGHAO ZHU	Automatic water cutting off device of solar water heater
CN102538248 A 20120704	CN20101585317 20101214	F24J2/46; F24C13/00	HUAIYU TANG	Solar automatic heater
CN102538249 A 20120704	CN20101586472 20101214	F24J2/46	BINGXIANG WANG	Solar heat collecting tube with internally-mounted microporous heat-absorbing meshed tube
CN102538250 A 20120704	CN20101601094 20101223	F24J2/46; F24J2/32	QI DING	Solar heat pipe heat-conducting composite structure
CN102538251 A 20120704	CN20101609302 20101228	F24J2/46; F24J2/48	JINAN XINNUO SOLAR ENERGY TUBE CO LTD	Solar vacuum tube
CN102538252 A 20120704	CN20111049776 20110302	F24J2/46	GUOSONG DIAO	Freeze-free circulating instrument for pipelines of solar water heater
CN102538253 A 20120704	CN20111366672 20111118	F24J2/46	QINGDAO CHUNLEI TECHNOLOGY DEV CO LTD	Solar water heater exhaust device with automatic heat insulating function

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CN102538254 A 20120704	CN20111454917 20111230	F24J2/46; F24H9/00	SINOYIN SOLARES CO LTD	Rapidly heated water tank combined with flat plate collector
CN102538255 A 20120704	CN20121014689 20120118	F24J2/46; F24J2/32	TIANPU NEW ENERGY TECHNOLOGY CO LTD	Heat tube type all-glass vacuum solar collector tube
CN102538256 A 20120704	CN20121020154 20120120	F24J2/46	JIANYIN FENG	Folding isolator of solar water heater vent pipe
CN102538257 A 20120704	CN20121026676 20120207	F24J2/46; F25B27/00	UNIV SHANGHAI MARITIME	Device and method for manufacturing solar cooling tube by adopting heat evacuation and vacuum evacuation
CN102538258 A 20120704	CN20121042573 20120224	F24J2/46	CHINA XD GROUP	Solar power generation high-temperature vacuum heat collection tube with built-in expansion joint
CN102538259 A 20120704	CN20121054247 20120229	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Efficient preheating and solidification-prevention device for solar energy photo-thermal power generation energy storage tank body and method thereof
CN102538260 A 20120704	CN20101622115 20101227	F24J2/48	BEIJING INST GRAPHIC COMM	Segmented lighting solar energy temperature controlling vacuum tube
CN102538261 A 20120704	CN20121072281 20120319	F24J2/48; B32B9/04; B32B15/00	SHANDONG LINUO SOLAR THERMAL GROUP CO LTD	High-temperature solar photo-thermal conversion functional coating
CN102538262 A 20120704	CN20121036937 20120214	F24J2/52	SHULIANG CAO	Anchor pile structural ceramic solar heat collection system
CN102538263 A 20120704	CN20101583623 20101213	F24J2/54	QI DING	Solar angle adjusting support
CN102538403 A 20120704	CN20101598945 20101221	F26B3/28; F24J2/02; F24J2/46	XIYUAN ZHANG	Solar quick drying device
CN102538410 A 20120704	CN20101575447 20101207	F26B9/06; F24J2/34; F26B23/10; F26B25/22	CHENGBEN WANG	Solar energy and heat pump combined grain drying system

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CN102538532 A 20120704	CN20121039646 20120221	F28D20/02; F24J2/34	JIANGSU QINENG NEW ENERGY MATERIALS CO LTD	Phase transition heat storage element
CN102540437 A 20120704	CN20101564935 20101130	G02B19/00; F24J2/46; H02N6/00	FAMING CHI	High-efficiency energy concentrator
CN102548873 A 20120704	WO2010KR05786 20100827; KR20090080257 20090828; KR20090123504 20091211	B65D90/10; B08B9/08; E03B11/00; F24J2/02; H01L31/042	CHEOL KEE SEUNG	Water tank having a power- generating function
CN102549350 A 20120704	WO2010US42991 20100723; US20090228440P 20090724; US20100841360 20100722	F24J2/10; F24J2/18; F24J2/46	CEWA TECHNOLOGIES INC [US]	Calibration system for solar collector installation
CN102549351 A 20120704	WO2010US45240 20100811; US20090274046P 20090811	F24J2/10; F24J2/14	SOPOGY INC [US]	Solid core structure parabolic trough solar energy collection system
CN102549352 A 20120704	WO2010US43712 20100729; US20090229622P 20090729	F24J2/52; H01L31/042	PANELCLAW INC	Ground mounted solar module integration system
CN102551229 A 20120711	CN20101622125 20101227	A41D13/005; F24J2/46	BEIJING INST GRAPHIC COMM	Vacuum tube temperature controlled solar heat insulation garment
CN102555355 A 20120711	CN20111449647 20111229	B32B17/06; B32B9/04; B32B15/04; F24J2/46	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Ultra-white glass baffle

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CN102561612 A 20120711	CN20121023806 20120203	E04D13/18; E04B1/80; F24D15/00; F24J2/12; F24J2/24; F24J2/38; F24J2/46	FULONG ZHANG	External shading parabolic-reflector sun-tracking solar collector integrated with building
CN102562501 A 20120711	CN20101576009 20101207	F03G6/06; F24J2/38; F24J2/40	JIANCHENG ZHANG	Cluster management control device for trough-type solar energy heat generation light condensation arrays
CN102562505 A 20120711	CN20121019556 20120120	F03G6/06; F24J2/00; F24J2/13; G05D3/00	ZHONGYANG MENG	Tower-disc type solar energy comprehensive utilization system
CN102563125 A 20120711	CN20121019338 20120120	F16K11/10; F16K3/30; F16K37/00; F24J2/46	TAIZHOU GUOREN THERMOSTATIC SANITARYWARE CO LTD	Thermostatic regulator for solar water heater faucet
CN102563206 A 20120711	CN20121013444 20120111	F16K51/00; B01D35/04; F24J2/46	GUANGQUAN LI	Vent valve of solar water heater with filter mesh assembly
CN102563772 A 20120711	CN20101587290 20101214	F24F5/00; F24F13/30; F24J2/05; F24J2/51	RUGAO JIANGHAI TECHNICAL SCHOOL	Air conditioning plant combining underground energy with solar energy
CN102563779 A 20120711	CN20111005006 20110103	F24F5/00; F24J2/05	BENZHAO ZHANG	Solar water temperature air conditioner
CN102563867 A 20120711	CN20121013148 20120117	F24H7/00; F22B1/06; F24J2/00; F24J2/46	HANGZHOU BOILER GROUP CO LTD	Solar-heating assisted salt melting system
CN102563888 A 20120711	CN20101599476 20101217	F24J2/00; F24J2/10; F24J2/24	CUBE ENERGY TECHNOLOGY SHANGHAI CO LTD E	Application method for solar collector array
CN102563889 A 20120711	CN20101605471 20101227	F24J2/00; F24J2/46; H02N6/00	CHANGFU LI	Combined type solar thermal collector and electric generating device
CN102563890 A 20120711	CN20101608016 20101228	F24J2/00; F24J2/48; F24J2/51	JIAYING CHEN	Double-layer honeycomb sandwich flat plate type solar heat collector

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CN102563891 A 20120711	CN20101621656 20101228	F24J2/00; H02N6/00	ENN RES AND DEV CO LTD; ENN ENERGY SERVICE CO LTD	Capillary tube radiation cooling type photovoltaic electricity and heat combined using device
CN102563892 A 20120711	CN20111384494 20111128	F24J2/00; F22D1/50; F24J2/05; F24J2/24; F24J2/40; F28D20/02	UNIV NANJING	Solar energy day and night heat tracing system for crude oil
CN102563893 A 20120711	CN20111438513 20111224	F24J2/00; F24J2/24; F24J2/30	LIN YONG	High temperature solar water heater
CN102563894 A 20120711	CN20121044610 20120223	F24J2/00; F24J2/04; F28D7/00	BEIJING INST CIVIL ENG & ARCH	Sanitary wastewater surplus heat utilization system
CN102563895 A 20120711	CN20101584617 20101213	F24J2/04; F24J2/46	LIGUO HU	Fully-automatic solar water boiling system
CN102563896 A 20120711	CN20101589814 20101215	F24J2/04; F24J2/40; F24J2/46	TAICANG NANJI WIND ENERGY EQUIPMENT CO LTD	Solar heat pump water heater
CN102563897 A 20120711	CN20121020758 20120130	F24J2/04	IMPOSOL SOLAR WATER HEATER MANUFACTURER CO LTD	Air heater of solar vacuum tube
CN102563898 A 20120711	CN20121000407 20120104	F24J2/05; F24J2/24; F24J2/34	UNIV SHANGHAI ELECTRIC POWER	CO2 filled honeycomb cover board type efficient heat collector
CN102563899 A 20120711	CN20121002412 20120106	F24J2/05; F24J2/24; F24J2/46; F24J2/48	QINGDAO SANGGU SUNSHINE ENERGY TECHNOLOGY CO LTD	Solar collector module and system
CN102563900 A 20120711	CN20121017882 20120119	F24J2/05; F24J2/20; F24J2/46	HUBEI GUIZU VACUUM SCIENCE & TECHNOLOGY CO LTD	Plastic flat-plate solar heat collector
CN102563901 A 20120711	CN20121019506 20120121	F24J2/05; F24J2/24; F24J2/46; F24J2/48; F24J2/51; H02N6/00	UNIV YANGZHOU	Concentric circle type photo- thermal and photoelectric conversion vacuum glass tube heat collection system
CN102563902 A 20120711	CN20121021531 20120108	F24J2/05; F24J2/24; F24J2/40; F24J2/46	JINFENG LIU	Separating solar energy water heater for collecting heat in solar house according to natural convection

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CN102563903 A 20120711	CN20121037250 20120217	F24J2/05; F24J2/10; F24J2/24; F24J2/32; F24J2/48; F24J2/52; H02N6/00	NANJING SOUTH ISLAND NEW ENERGY RES AND DEV CO LTD; SONGSHUN XU	Thermoelectric integrated device with solar vacuum tubes
CN102563904 A 20120711	CN20121037923 20120220	F24J2/05; F24J2/32; F24J2/46; H02N6/00	NANJING SOUTH ISLAND NEW ENERGY RES AND DEV CO LTD; SONGSHUN XU	Thermoelectric integrated device of solar hollow glass tubes
CN102563905 A 20120711	CN20121046557 20120228	F24J2/05; F24J2/24; F24J2/30; F24J2/40; F24J2/46	ZHONGMIN WU; ZHANG AIZHANG	Heat-exchange-type solar water heater
CN102563906 A 20120711	CN2012154698 20120305	F24J2/05; B23P15/26; F24F5/00; F24J2/26; F24J2/46	JIANGSU CHUANGLAN SOLAR AIR CONDITIONER CO LTD	High-energy-efficiency flat-plate type solar collector, processing method thereof and solar cooling and heating air conditioner
CN102563907 A 20120711	CN20101599075 20101217	F24J2/10; F24J2/46	CUBE ENERGY TECHNOLOGY SHANGHAI CO LTD E	Fresnel reflecting system
CN102563908 A 20120711	CN20121016607 20120119	F24J2/10; G02B7/182; G02B19/00	UNIV CHINA PETROLEUM	Solar heat collecting device
CN102563909 A 20120711	CN20121019612 20120123	F24J2/12; H02N6/00	HARBIN GOODTIME ELECTRONICS CO LTD	Solar energy utilization device
CN102563910 A 20120711	CN20121002769 20120105	F24J2/22; F24J2/46	UNIV SOUTH CHINA TECH	Air and water composite heat collector
CN102563911 A 20120711	CN20111395881 20111205	F24J2/24; F24J2/46	SUZHOU FANGJIYUAN ENERGY SAVING TECHNOLOGY CO LTD	Solar water heater
CN102563912 A 20120711	CN20111416441 20111214	F24J2/24; F24J2/46	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Thin-tube type solar water heater
CN102563913 A 20120711	CN20121055884 20120306	F24J2/24; F24J2/32; F24J2/40	SANGEN QIN	Solar non-pressure water-storage heat collector and heat-collecting operation method

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CN102563914 A 20120711	CN20101597276 20101220	F24J2/30; F24J2/34; F24J2/46	HANGZHOU SANHUA INST CO LTD	Solar heat exchange system and heat accumulator thereof
CN102563915 A 20120711	CN20101605060 20101226	F24J2/34; F24J2/32; F24J2/46	FENGJU ZHAO	Energy storage heat exchange type pressure-bearing operation solar water heater
CN102563916 A 20120711	CN20111404359 20111208	F24J2/34; B01J19/00; C23C22/05; F24J2/42; F24J2/46	WUJIANG YUNFENG METAL CONSTRUCTION COATING CO LTD	Solar coating pretreatment tank
CN102563917 A 20120711	CN20121019398 20120121	F24J2/34; F24J2/30; F24J2/40; F24J2/46	TONG YUAN	Automatic switch valve type solar device
CN102563918 A 20120711	CN20121037751 20120220	F24J2/34; F24J2/46	JIANGSU QINENG NEW ENERGY MATERIALS CO LTD	Phase-change and heat-storage solar water heater
CN102563919 A 20120711	CN20101606542 20101228	F24J2/38; G02B7/198; G02B19/00	BEIJING YINGTIAN SOLAR ENERGY TECHNOLOGY CO LTD	Solar furnace adopting self- spinning and elevation tracking mode
CN102563920 A 20120711	CN20101601763 20101223	F24J2/40; F24H9/20	DONGGUAN LANGOW ENVIRONMENTAL PROT & ENERGY SAVING TECHNOLOGY CO LTD	Control system of water heater integrally powered by solar energy and air energy
CN102563921 A 20120711	CN20121019683 20120119	F24J2/40	UNIV ZHEJIANG NORMAL	Automatic control system for solar water heater
CN102563922 A 20120711	CN20121022280 20120201	F24J2/40	WUHU MIDEA SOLAR TECHNOLOGY CO LTD	Heating-ordered solar water heater
CN102563923 A 20120711	CN20101599072 20101217	F24J2/46	CUBE ENERGY TECHNOLOGY SHANGHAI CO LTD E	Solar heat collecting system
CN102563924 A 20120711	CN20101618900 20101231	F24J2/46	DONGGUAN LANGOW ENVIRONMENTAL PROT & ENERGY SAVING TECHNOLOGY CO LTD	Heat tube type evacuated collector tube
CN102563925 A 20120711	CN20111000261 20110104	F24J2/46	SHENZHEN COMMONPRAISE SOLAR CO LTD	Waterproof and damp-proof flat- plate solar collector

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CN102563926 A 20120711	CN20111395876 20111205	F24J2/46	SUZHOU FANGJIYUAN ENERGY SAVING TECHNOLOGY CO LTD	Solar water heater
CN102563927 A 20120711	CN20111396489 20111202	F24J2/46	LEI PANG	Automatic water filling device of solar water heater
CN102563928 A 20120711	CN20111416405 20111214	F24J2/46; F24J2/48	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Solar water heater with small elbows
CN102563929 A 20120711	CN20111421974 20111216	F24J2/46	QUANZHOU SHENGFULE SOLAR TECHNOLOGY CO LTD	Heat collection body element for multi-arch variable channel flat water heater
CN102563930 A 20120711	CN20121042766 20120224	F24J2/46	CHINA XD GROUP	High-temperature vacuum solar collector tube with outlaid expansion joint for solar power generation
CN102563931 A 20120711	CN20121046981 20120228	F24J2/46	UNIV CHANGZHOU	Groove type condensation solar heat collecting tube with compensation sealing structure and assembling process of groove type condensation solar heat collecting tube
CN102563932 A 20120711	CN20121054110 20120229	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Gas sealing device of solar- thermal power generation energy storage tanks and method of gas sealing device
CN102563933 A 20120711	CN20101589784 20101215	F24J2/48	TAICANG NANJIFENG ENERGY EQUIPMENT CO LTD	Anti-reflection glass heat collecting tube
CN102563934 A 20120711	CN20111414363 20111212	F24J2/48	UNIV XI AN JIAOTONG	Heat collector material for solar heat airflow power generation
CN102563935 A 20120711	CN20121004037 20120106	F24J2/52; F24J2/46	DONGCHEN SUNSHINE BEIJING SOLAR ENERGY SCIENCE & TECHNOLOGY CO LTD	Solar water heater with sealed base

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CN102563936 A 20120711	CN20121012063 20120116	F24J2/54; G05D3/00	UNIV NORTHEASTERN	Solar water heater with double-shaft complementary light tracking
CN102563973 A 20120711	CN20121019182 20120120	F25B30/06; F24J2/00; F24J2/05; F24J2/20; F24J2/24; F24J2/40; F24J2/46; F25B47/02; F25B49/00	YAOHUA ZHAO	Novel solar air source heat pump system and hot water production method
CN102564097 A 20120711	CN20121032743 20120215	F26B21/00; F24J2/00	JIANGSU PLET PLASTIC PACKING CO LTD	Heat collector system of multifunctional solar drying room
CN102566004 A 20120711	CN20121054322 20120305	G02B7/198; F24J2/10; F24J2/52; G02B7/185	NANJING SCİYON AUTOMATION GROUP CO LTD	Overlap-connected shape-adjusting device used for reflecting mirror for heliostat
CN102566022 A 20120711	CN20121050545 20120229	G02B19/00; F24J2/46; G02B7/182; H02N6/00	YINGTIAN CHEN	Flat plate type solar reflecting condenser composed of non-paraxial high-order cylindrical surfaces
CN102575359 A 20120711	WO2010EP63441 20100914; DE200910048672 20090930	C23C24/04; F24J2/05; F24J2/07; F24J2/46	SIEMENS AG [DE]	Central tube for a linear concentrating solar thermal power plant, having an absorber layer, and method for applying said absorber layer
CN102575859 A 20120711	WO2010EP05890 20100927; EP20090012333 20090929	F24F5/00; F24J2/04; F24J2/23	HEMERA ENERGLAS RENOVABLES ESPANA S L U	Device and method for cooling down and/or warming up fluid
CN102575871 A 20120711	WO2010US51267 20101004; US20090248550P 20091005	F24J2/00	HUNTER DOUGLAS	Solar energy collector and thermal storage device

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CN102575873 A 20120711	WO2010EP64498 20100929; DE200910045100 20090929	F24J2/05; F24J2/14; F24J2/18; F24J2/46	SCHOTT SOLAR AG [DE]	Absorber pipe
CN102575874 A 20120711	WO2010EP63189 20100908; US20090240449P 20090908	F24J2/10; G02B5/10; G02B7/183	SIEMENS CONCENTRATED SOLAR POWER LTD	Method for manufacturing a bended glass sheet, manufacturing system for executing the method, bended mirror assembly with the bended mirror and use of the bended mirror or the assembly with the bended mirror
CN102575875 A 20120711	WO2011KR02528 20110411; KR20100049757 20100527	F24J2/10; F24J2/16	KOREA ENERGY RESEARCH INST [KR]	Light-collecting heliostat using flat mirrors
CN102575876 A 20120711	WO2010FR51384 20100701; FR20090054547 20090702	F24J2/14; F24J2/12; F24J2/24; F24J2/38; F24J2/52; F24J2/54	THERPHO THERMIQUE PHOTONIQUE	Adjustable solar collector
CN102575878 A 20120711	WO2010KR07234 20101021; KR20090100836 20091022	F24J2/46; F24J2/04; F24J2/24	YONG LEE	Apparatus for amplifying solar energy using recycling greenhouse gas
CN102575879 A 20120711	WO2010EP03164 20100525; DE200910034144 20090720	F24J2/54	HANS-PETER FISCHER	Tracking device for a photovoltaic system, and method for installing such a tracking device
CN102576103 A 20120711	WO2010EP63065 20100907; DE200910045582 20091012	G02B5/10; F24J2/10; F24J2/14	EVONIK DEGUSSA GMBH [DE]	Concentrator for solar energy generation and the production thereof from polymeric materials

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CN102576772 A 20120711	WO2010US33211 20100430; US20090562729 20090918	H01L31/052	BOEING CO [US]	Enclosed, off-axis solar concentrator
CN102582150 A 20120718	CN20121047108 20120228	B32B9/04; B32B15/00; C23C14/06; C23C14/16; C23C14/35; F24J2/48	UNIV JIANGSU	Solar selective absorption film system and preparation method thereof
CN102584034 A 20120718	CN20121072374 20120319	C03C17/36; F24J2/46	SHANDONG LINUO SOLAR THERMAL GROUP CO LTD	Low emissivity film for solar high temperature collector tube and forming process for low emissivity film
CN102588230 A 20120718	CN20111002326 20110106	F03G6/06; F01C13/00; F24J2/06	DA HU	Solar-thermal generating system
CN102588231 A 20120718	CN20111003421 20110110	F03G6/06; F24J2/48	CIB SOLAR	Heat and power cogeneration vacuum tube for solar energy
CN102588701 A 20120718	CN20121048520 20120229	F16L41/08; F24J2/46	QINGDAO BAIWANG ELECTRICAL APPLIANCES CO LTD	Pre-embedded pipe and solar water heater plastic inner container adopting same
CN102589132 A 20120718	CN20121051697 20120301	F24H9/00; F24J2/46	CHONGQING HAIER WATER HEATER CO LTD; HAIER GROUP CO LTD; QINGDAO ECONOMIC DEV ZONE HAIER WATER HEATER CO LTD	Liner tube installation structure for water tube of water heater tank
CN102589148 A 20120718	CN2012156100 20120305	F24J2/00; F24J2/04; F24J2/40; F24J2/46; F24J2/48; F24J2/52	HUIZHOU ZONOPO INTELLIGENT TECHNOLOGY CO LTD	Tower type solar energy heat pump hot water system
CN102589149 A 20120718	CN20121067473 20120307	F24J2/00; F24J2/46	SHANDONG YAOGUO NEW ENERGY TECHNOLOGY CO LTD	Wall-mounted solar water heater for mosaic split balcony

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CN102589150 A 20120718	CN20111024925 20110111	F24J2/02	JIAXING SHENGYUAN MACHINERY MANUFACTURING CO LTD	Multiple-unit solar heating drying room
CN102589151 A 20120718	CN20121056865 20120306	F24J2/02; F24J2/46	HIMIN SOLAR CO LTD	Solar energy cooker
CN102589152 A 20120718	CN20121067140 20120313	F24J2/05; F24J2/46	TIANDONG WANG	Split solar water heater
CN102589153 A 20120718	CN20121016129 20120113; CN20121076923 20120322	F24J2/05; F03G6/06; F22B1/00; F24J2/08; F24J2/10; F24J2/26; F24J2/51	XIA ZHUIJUN; ZHENJIANG BOLIN PHOTOELECTRIC TECHNOLOGY CO LTD	Solar heating device and solar steam generating system
CN102589154 A 20120718	CN20111002310 20110106	F24J2/06; F24J2/10; F24J2/24; F24J2/26; F24J2/46; H02N6/00	DA HU	Heat collector and heat collecting system
CN102589155 A 20120718	CN20121098647 20120406	F24J2/08; F24J2/10; F24J2/24; G02B3/00; G02B7/02; G02B7/182; G02B19/00	RUI QU	Full-circumferential radiation receiving condenser utilizing nested conical ring surface
CN102589156 A 20120718	CN20121040122 20120222	F24J2/10; F24J2/24; F24J2/38; F24J2/40	HIMIN SOLAR CO LTD	Small slot type heat collector capable of automatically tracking sun
CN102589157 A 20120718	CN20121041000 20120222	F24J2/10; F24J2/54	XIANGTAN ELECTRIC TRACTION EQUIPMENT INST CO LTD; XIANGTAN ELECTRIC MFG CO LTD [CN]	Disc-type solar light condensation device
CN102589158 A 20120718	CN20121069848 20120316	F24J2/10; F22B1/00; F24J2/32; F24J2/38; F24J2/46	UNIV ZHEJIANG [CN]	Coaxial light-gathering secondary reflection groove type solar natural circulation heat-collecting device
CN102589159 A 20120718	CN20121058376 20120308	F24J2/12; F24J2/05; F24J2/24; H01L31/052; H01L31/058	USTC UNIV SCIENCE TECH CN	Photovoltaic and photo-thermal composite parabolic condenser with vacuum tube

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CN102589160 A 20120718	CN20121056836 20120306	F24J2/24; F24J2/46; F24J2/51	HARBIN INST OF TECHNOLOGY	Cylindrical and conical composite cavity type solar heat absorber
CN102589161 A 20120718	CN20121059687 20120308	F24J2/24	HEBEI SUNRING SOLAR ENERGY CO LTD	Series vacuum pipe high temperature solar collector
CN102589162 A 20120718	CN20111028502 20110114	F24J2/30; F24J2/46	LIANZHEN XUN	Multiple-unit solar water heating equipment
CN102589163 A 20120718	CN20121046030 20120221	F24J2/30; F24J2/46	JINCHENG LIN	Gross-area automatic sun facing water heater
CN102589164 A 20120718	CN20121055647 20120305	F24J2/32; F24J2/50	HIMIN SOLAR CO LTD	Solar stove
CN102589165 A 20120718	CN20121059763 20120308	F24J2/34; F24J2/40	HELIAO XU	Series-type displacing constant- temperature anti-freezing solar water heater system
CN102589166 A 20120718	CN20111008552 20110114	F24J2/40; F24J2/46; F24J2/50	BEIJING JINDU SOLAR ENERGY TECH CO LTD	Method for controlling stagnation temperature of solar vacuum tube
CN102589167 A 20120718	CN20111001656 20110106	F24J2/46	CHANGCHUN ZHOU	Mounting apparatus of window type solar water heater and mounting method thereof
CN102589168 A 20120718	CN20111362533 20111116	F24J2/46; F24J2/48	JIANCHENG ZHANG	Line-focus solar heat collecting tube provided with hot-pressing sealing protection device
CN102589169 A 20120718	WO2011EP50536 20110117	F24J2/46; F24J2/12; F24J2/48	SIEMENS CONCENTRATED SOLAR POWER LTD	Heat receiver tube, method for manufacturing the hear receiver tube, parabolic trough collector with the receiver tube and use of the parabolic trough collector
CN102589170 A 20120718	CN20121045532 20120227	F24J2/46	HULONG FAN	Double-exchange water tank of water heater
CN102589171 A 20120718	CN20121051556 20120301	F24J2/46	HIMIN SOLAR CO LTD	Radiating device of solar thermal collector
CN102589172 A 20120718	CN20121058111 20120307	F24J2/46	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Heat collection rack pipe used for linear focusing

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CN102589173 A 20120718	CN20121060522 20120309	F24J2/46; F24J2/38	UNIV SHAANXI SCIENCE & TECH	Tracking device of solar energy absorber
CN102589174 A 20120718	CN20121063382 20120312	F24J2/46; F24J2/48	HULIANG XU	All-glass vacuum solar heat collecting tube
CN102589175 A 20120718	CN20121063383 20120312	F24J2/46; F24J2/51	HULIANG XU	Water tank of solar water heater with small heat-insulation cavity
CN102589176 A 20120718	CN20121081566 20120326	F24J2/46; F24J2/40	SUZHOU KAILAI NEW ENERGY CO LTD	Water supplying and draining control device for solar water heater
CN102589177 A 20120718	CN20121081582 20120326	F24J2/46; F24J2/40	SUZHOU KAILAI NEW ENERGY CO LTD	Water feeding and discharging temperature control device for solar water heater
CN102589178 A 20120718	CN20121083838 20120327	F24J2/46; F28D20/00	RAYSPower NEW ENERGY CO LTD	Single tower gradient-type fused salt heat accumulation equipment used for solar thermal power generation
CN102589179 A 20120718	CN20121045559 20120227	F24J2/52	SHENZHEN LIANXUN INNOVATION TECHNIC FIELD TECHNOLOGY DEV CO LTD	Heliostat lens support
CN102589180 A 20120718	CN20121039948 20120221	F24J2/54	ZHEJIANG HENGFENGTAI REDUCER MFG CO LTD	Intermediate connecting rod mechanism and connecting rod reinforcement rotary positioning mechanism for groove-type thermal power generation system
CN102589191 A 20120718	CN20111314397 20100223	F25B29/00; E04B2/00; E04C2/284; E04C2/52; F24J2/00; F25B49/00	LIMING FU	Heating and cooling system of solar house
CN102589195 A 20120718	CN20121071239 20120319	F25B29/00; F24J2/00; F24J2/04; F24J2/46; F24J3/08; F25B15/06; F25B27/00; F25B49/00	RUJIN HUANG	Heat supply and refrigeration system combining spatial energy with ground source energy

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CN102590999 A 20120718	CN20121097340 20120405	G02B19/00; F24J2/08; G02B3/00; G02B7/02	WANHONG LI	Solar array type lens group
CN102593227 A 20120718	CN20121047558 20120228	H01L31/058; F24J2/46; H01L31/052	JIAN MA	Solar energy photovoltaic solar-thermal composite assembly
CN102597650 A 20120718	WO2010IB02590 20100923; US20090246054P 20090925	F24J2/02; F16B1/00; F16B7/00; F16L3/01; F16M13/00; F24J2/04; F24J2/24; F24J2/52; F28D1/053; F28D7/12; F28D7/16	WATERCO LTD	Modular thermal water solar panel system
CN102597651 A 20120718	WO2010US37688 20100608; US20090268129P 20090608	F24J2/10; G02B5/10; H01L31/052	LIGHT PRESCRIPTIONS INNOVATORS	Reflective free-form kohler concentrator
CN102597652 A 20120718	WO2010US51677 20101006; US20090574955 20091007	F24J2/14; F24J2/38; F24J2/40; F24J2/54	PRUEITT MELVIN L	High leverage trough solar collector
CN102597653 A 20120718	WO2010JP70746 20101119; JP20100237629 20101022	F24J2/38	MITSUI SHIPBUILDING ENG [JP]	Heliostat for sunlight collection and method for controlling same
CN102597654 A 20120718	WO2010IB52424 20100531; BE20090000343 20090605	F24J2/52; E04D13/14; H01L31/042	SEGERS BVBA	Fixing system for solar panels
CN102597655 A 20120718	WO2010FR50922 20100512; FR20090053119 20090512	F24J2/52; H01L31/042	SAINT GOBAIN GLASS PRANCE	Attachment device and method for mounting solar modules
CN102601265 A 20120725	CN20121091187 20120331	B21D53/04; F24J2/46	ZHENGYUAN XU; DEQI GAO	Method for machining sunlight tile liner

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CN102604213 A 20120725	CN20121048546 20120229	C08L23/12; C08K3/16; C08K3/22; C08K3/26; C08K3/30; C08K7/14; C08K13/04; F24J2/46	QINGDAO BAIWANG ELECTRICAL APPLIANCES CO LTD	Polypropylene modified material and method for preparing plastic inner casing of water heater by using same
CN102606428 A 20120725	CN20121072820 20120316	F03G6/06; F01D15/10; F03D9/00; F24J2/10	ZAOJUN LIANG	Light-gathering energy-storage type solar thermal power and airflow mixed power generation system
CN102606430 A 20120725	CN20121103111 20120410	F03G6/06; F24J2/12; F24J2/24; F24J2/34	XIAOBING LIU	Separately running disc-type solar concentrated power generating system
CN102607099 A 20120725	CN20121105123 20120405	F24D15/02; F24J2/05; F24J2/24; F24J2/32; F24J2/46	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Passive type solar heat collecting box
CN102607183 A 20120725	CN20121111508 20120417	F24H9/20; F24J2/40	UNIV SHANGHAI ELECTRIC POWER	Efficient water-saving and energy-saving device of water heater based on PLC (Programmable Logic Controller)
CN102607184 A 20120725	CN20121045276 20120227	F24J2/00; F24J2/30; F24J2/34	SHANXI JINGHUI ENERGY TECHNOLOGY CO LTD	Heat-storage solar water boiling system
CN102607185 A 20120725	CN20121045658 20120227	F24J2/00; F24J2/40; F24J3/08	UNIV HUAZHONG SCIENCE TECH	Intra-cavity flow type window energy-saving system and control method for same
CN102607186 A 20120725	CN20121071490 20120319	F24J2/00; B23P15/26; C23C14/00; C23C14/06; C23C14/08; C23C14/14; C23C14/35; F24J2/50	DEZHOU JINHENG NEW ENERGY CO LTD	Solar heat collection fin and manufacturing method thereof

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CN102607187 A 20120725	CN20111027752 20110124	F24J2/04; F24J2/10; F24J2/48	MITAKA KOKI KK	Heat exchange structure for solar ray heat conversion device
CN102607188 A 20120725	CN20121073221 20120320	F24J2/04; F24J2/34; F24J2/40; F24J2/46	JIAXIANG JIANG	Solar heat collection system
CN102607189 A 20120725	CN20121074538 20120321	F24J2/05; F24J2/24; F24J2/46	JINFENG LIU	Solar thermal collector for collecting heat by adopting completely reversed thoroughly forced convection way
CN102607190 A 20120725	CN20121081089 20120326	F24J2/05; F24J2/24; F24J2/30; F24J2/46; F24J2/51	BEIJING SOLA SOLAR ENERGY TECHNOLOGY CO LTD	Instant heating type solar water heater without power circle
CN102607191 A 20120725	CN20121023392 20120131; CN20121098691 20120328	F24J2/05; F24J2/08; F24J2/46; F24J2/51	ZHIJUN XIA	Low-heat-radiation solar water heating system
CN102607192 A 20120725	CN20121099362 20120327	F24J2/05; F24J2/24; F24J2/46	YINGHUA ZHANG	Wall-mounted solar water heater and manufacturing method of solar heat accumulator
CN102607193 A 20120725	CN20121114412 20120418	F24J2/08; F24J2/16; F24J2/24; G02B3/00; G02B7/02; G02B7/182; G02B19/00	DESHENG ZHANG	Solar straight-line type ultrathin photo-thermal utilization condenser
CN102607194 A 20120725	US20100895420 20100930	F24J2/10; E04D13/18; F24J2/24; F24J2/48; H02J7/00	SUN PING	Water heating and building cooling system
CN102607195 A 20120725	CN20121090073 20120330	F24J2/10	RAYSPower NEW ENERGY CO LTD	Distributed solar light-heat mirror field for equilibrium power generation
CN102607196 A 20120725	CN20121059142 20120307	F24J2/12; G02B5/10; G02B7/185; G02B19/00	BIN HE	Differential arc point supporting edge turnover formed trough parabolic mirror

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CN102607197 A 20120725	CN20121112237 20120417	F24J2/16; F24J2/24; F24J2/46	HAINING QUANJIALE NEW ENERGY CO LTD	High-transparency and high- toughness solar water heater
CN102607198 A 20120725	CN20111026404 20110125	F24J2/24; F24J2/05; F24J2/46	BEIJING SOLA SOLAR ENERGY TECHNOLOGY CO LTD	Heat collector with metal runners
CN102607199 A 20120725	CN20121050495 20120229	F24J2/30	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Efficient preheating device and efficient preheating method for solar-thermal power generation heat exchanger and heat- absorbing carrier
CN102607200 A 20120725	CN20121072306 20120319	F24J2/32; F24J2/46; F24J2/48; F24J2/51; F28D15/02	WEIGUO YAO	Inorganic high-efficiency flat superconducting flat-plate solar collector
CN102607201 A 20120725	CN20111036788 20110125	F24J2/34; F24J2/30; F24J2/46	JIANRONG LIU	Dual-loop solar water heater and control method for same
CN102607202 A 20120725	CN20121103775 20120410	F24J2/38; F24J2/40	SICHUAN FENGHUO MACHINERY FACTORY OF CHINA AEROSPACE SCIENCE AND TECHNOLOGY CORP	Troughed solar heat collection tracking drive equipment and system
CN102607203 A 20120725	CN20121055449 20120306	F24J2/46; F24J2/32	UNIV SOUTHEAST	Chained high-temperature solar collector tube
CN102607204 A 20120725	CN20121065372 20120314	F24J2/46; B23K20/10; B23K26/20; C23C14/06; C23C14/35; F24J2/48	GUOGONG GAN	Solar heat concentration core with micro-battery corrosion resistant protecting structure
CN102607205 A 20120725	CN20121076349 20120314	F24J2/46	WANMIN LI	Anti-scale substance and water injection kettle of solar water heater
CN102607206 A 20120725	CN20121090573 20120330	F24J2/46; H02N6/00	UNIV TIANJIN	Solar photovoltaic photo-thermal composite heat pipe vacuum tube

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CN102607207 A 20120725	CN20121106441 20120412	F24J2/46	XIONGJUN SUI	Under multi-chamber solar water tank with detachable heat conducting tube
CN102607244 A 20120725	CN20121105121 20120405	F26B9/06; F24J2/24	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Tube type integrated solar dryer
CN102607251 A 20120725	CN20121079943 20120326	F26B21/04; F24J2/00	SHENZHEN COMMONPRAISE SOLAR CO LTD	Solar heat collection drying device capable of being assembled fast
CN102612627 A 20120725	WO2010US50039 20100923; US20090245250P 20090923	F24J2/10; F24J2/18; F24J2/52; F24J2/54	EAGLE EYE RES INC [US]	Solar concentrator system with fixed primary reflector and articulating secondary mirror
CN102612628 A 20120725	WO2010AT00441 20101116; AT20090001823 20091118	F24J2/54; H01L31/042	FRANZ HILBER	Adjusting device of a stationary photovoltaic system
CN102613833 A 20120801	CN20121105042 20120405	A47C21/04; A47C27/08; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Passive solar mattress
CN102613834 A 20120801	CN20121105133 20120405	A47C21/04; A47C27/08; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Auxiliary heating type solar mattress
CN102619307 A 20120801	CN20111027892 20110126	E04D13/18; F24J2/24; F24J2/48	BIN QU	Solar tile plate and solar collection plate
CN102620271 A 20120801	CN20121072100 20120319	F22B1/00; F24J2/05; F24J2/24; F24J2/40; F24J2/46	HANGZHOU TIANBA ELECTRONIC CO LTD	Solar vapor generating system
CN102620272 A 20120801	CN20121087504 20120329	F22B1/00; F22B33/18; F24J2/24; F24J2/40	JINJU WANG	Solar steam heat collecting system and heating control method thereof
CN102620336 A 20120801	CN20121105031 20120405	F24D11/00; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Heat accumulation type solar heating tank

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CN102620341 A 20120801	CN20121105102 20120405	F24D15/00; F24D19/00; F24J2/05; F24J2/24	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Auxiliary heating type solar heating tank
CN102620427 A 20120801	CN20111035707 20110126	F24H9/00; F24H9/18; F24J2/46	YUNLIU LIU	Electric water heater and solar or air energy water heater water tank structure with water pump
CN102620431 A 20120801	CN20121131926 20120502	F24H9/00; F24H9/20; F24J2/40; F24J2/46	KE ZHAO	Water saving device applicable to various water heaters
CN102620436 A 20120801	CN20121105019 20120405	F24J2/00; F24J2/30; F24J2/32	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Auxiliary heating type solar water heater
CN102620437 A 20120801	CN20121110688 20120417	F24J2/00; F22B1/00; F24J2/40; F24J2/46	TIANJIN DESHENG SOLAR ENERGY TECHNOLOGY CO LTD; TIANJIN FOOTSTONE TECHNOLOGY SERVICE CO LTD; TIANJIN BINHAI INST OF MAN SCIENCE; ZHUHUA ZANG	Water boiling device and method using liquid heat sources
CN102620438 A 20120801	CN20121112449 20120417	F24J2/00; F24J2/46	JIUQUAN SUN	Novel integral wall-mounted solar water heater
CN102620439 A 20120801	CN20121105059 20120405	F24J2/04; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Coil pipe-shaped solar air heat collector
CN102620440 A 20120801	CN20121117949 20120422	F24J2/08; F24J2/38; F24J2/46	WANHONG LI	Box type solar lens group collector field
CN102620441 A 20120801	CN20121099239 20120408	F24J2/10; F24J2/24; F24J2/30; F24J2/34	TIANJIN DESHENG SOLAR ENERGY TECHNOLOGY CO LTD; TIANJIN FOOTSTONE TECHNOLOGY SERVICE CO LTD; TIANJIN BINHAI INST OF MAN SCIENCE; ZHUHUA ZANG	Solar heat source system and method
CN102620442 A 20120801	CN20121046835 20120228	F24J2/12; F24J2/38; F24J2/46; F24J2/54	UNIV CHINA PETROLEUM	Solar heat collector based on groove type parabolic mirror and artificial blackbody

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CN102620443 A 20120801	CN20111029032 20110127	F24J2/30; F24J2/46	FUSHENG ZHU	Solar water heater and metal circulating pipe arranged in water tank thereof
CN102620444 A 20120801	CN20121124499 20120425	F24J2/30; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat plate solar water heater with built-in fin tubular heat exchange device
CN102620445 A 20120801	CN20121125208 20120425	F24J2/30; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat plate solar water heater with built-in plate type heat exchange device
CN102620446 A 20120801	CN20121125221 20120425	F24J2/30; F24J2/46	XIANJIE YANG	Flat plate solar water heater with built-in tube-sheet heat exchange device
CN102620447 A 20120801	CN20121045375 20120227	F24J2/34; F24J2/40	HELIAO XU	Brand-new serial structure solar water heater system
CN102620448 A 20120801	CN20111027800 20110126	F24J2/46; C23C14/06; C23C14/35; F24J2/50	DEZHOU XUNENG VACUUM TUBES CO LTD	Vacuum collector tube and process for preparing coating thereof
CN102620449 A 20120801	CN20111037020 20110201	F24J2/46; F16K31/18	WANG YUHUA	Automatic emptying and water supply stopping system for full-mechanical pipeline of solar water heater
CN102620450 A 20120801	CN20111038511 20110130	F24J2/46	DIANZHI LI	Upper layer hot-water communicating vessel of antifreezing solar water heater
CN102620451 A 20120801	CN20121088956 20120329	F24J2/46; F24J2/32	BEIJING TIANPU SOLAR ENERGY INDUSTRY CO LTD	Method for producing heat pipe type full-glass-vacuum tube through boiling exhaust technology
CN102620452 A 20120801	CN20121093562 20120331	F24J2/46	XIANJIE YANG	Closed runner flat-plate solar heat collector plate core
CN102620453 A 20120801	CN20121103505 20120409	F24J2/46; F24J2/32	INST ENG THERMOPHYSICS CAS	Unit heat pipe heat absorber and manufacturing method thereof

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CN102620454 A 20120801	CN20121120303 20120413	F24J2/46	FENG XU	Automatic temperature control anti-freezing pipe for solar water heater
CN102620455 A 20120801	CN20121087769 20120329	F24J2/48; B32B17/06; B32B33/00	XINYE XIE; ZHEJUN ZHANG	Process for preparing efficient large-area solar spectrum selective absorption coating and coated plate
CN102620456 A 20120801	CN20121098042 20120406	F24J2/48; B32B9/04; B32B15/00; C23C14/06; C23C14/08; C23C14/14; C23C14/35	NINGBO INST MAT TECH & ENG CAS	Medium-and-low-temperature solar selective absorption thin film and preparation method thereof
CN102620457 A 20120801	CN20121090913 20120331	F24J2/54; F16C3/02; F16H55/17	CHANGSHU XUNDA POWDER METALLURG CO LTD	Positioning rotary bracket component
CN102620471 A 20120801	CN20111314378 20100223	F25B29/00; F24J2/00; F25B41/00	LIMING FU	Solar heating and cooling system for building
CN102620472 A 20120801	CN20111314399 20100223	F25B29/00; F24J2/00; F25B49/00	LIMING FU	Solar heating and cooling system for building
CN102620530 A 20120801	CN20121104980 20120405	F26B9/06; A23B9/08; F24J2/05; F24J2/20; F26B21/00	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Auxiliary heating flat plate integral type solar drier
CN102620531 A 20120801	CN20121105079 20120405	F26B9/06; A23B9/08; F24J2/24; F26B21/00	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Auxiliary heating pipeline integral type solar drier
CN102620535 A 20120801	CN20121105053 20120405	F26B11/06; F24J2/05; F24J2/20; F24J2/46; F24J2/48; F26B21/00	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Rolling drier
CN102620539 A 20120801	CN20121104973 20120405	F26B21/00; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Coil tumbling solar dryer with auxiliary heating
CN102620540 A 20120801	CN20121105016 20120405	F26B21/00; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Coil pipe integral type solar drier

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CN102620541 A 20120801	CN20121105072 20120405	F26B21/00; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Coil integrated solar dryer with auxiliary heating
CN102620542 A 20120801	CN20121105139 20120405	F26B21/00; F24J2/46; F24J2/50	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Flat plate integral type solar drier
CN102623535 A 20120801	CN20121101051 20120409	H01L31/048; F24J2/46	KUNSHAN GUANGYI PHOTOVOLTAIC TECHNOLOGY CO LTD	Flat-plate-type solar frame
CN102625894 A 20120801	WO2010US27061 20100311; US20090209970P 20090311; US20100722498 20100311	F24J2/54	GOSSAMER SPACE FRAMES [US]	Drive mechanism for a solar concentrator assembly
CN102625895 A 20120801	WO2010EP57988 20100608; US20090185089P 20090608	F24J2/54	SIEMENS CONCENTRATED SOLAR POWER LTD	Heat collection element support element
CN102627006 A 20120808	CN20111397074 20111202	B32B15/02; B32B15/04; B32B18/00; F24J2/48	UNIV LANZHOU TECH	Medium and high temperature solar core-shell structured spectrally selecting absorption coating
CN102628601 A 20120808	CN20121126151 20120426	F24F5/00; F24F13/30; F24J2/05; F24J2/30; F24J2/46	SHANDONG TRYWOW HEATPUMP TECHNOLOGY CO LTD	Double-energy-source comfortable air conditioning system
CN102628613 A 20120808	CN20121124295 20120425	F24J2/00; F24J2/48; H02N6/00	HARBIN INST OF TECHNOLOGY	Compound parabolic concentrator (CPC) solar energy concentration and photovoltaic power generation combined application device
CN102628614 A 20120808	CN20121078928 20120323	F24J2/05; F24J2/26; F24J2/30; F24J2/34; F24J2/46	JINLIANG YUAN	Heat storage and exchange type solar water heater

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CN102628615 A 20120808	CN20121114204 20120418	F24J2/05; B24C1/06; F24J2/22; F24J2/46; F24J2/48	NINGXIA CITY YINCHEN SOLAR ENERGY TECHNOLOGY CO LTD	Flat-plate-type air solar heat collector and production method for heat absorption plate thereof
CN102628616 A 20120808	CN20121137550 20120507	F24J2/05; F24J2/12; F24J2/24; F24J2/40; F24J2/46	UNIV SHAANXI SCIENCE & TECH	Solar water boiler
CN102628617 A 20120808	CN20121139392 20120508	F24J2/05; F24J2/20; F24J2/24; F24J2/46; F24J2/48; F24J2/51	UNIV SHENYANG JIANZHU	Low-cost double-effect solar air collector
CN102628618 A 20120808	CN20121125282 20120426	F24J2/10; F24J2/26; F24J2/46; F24J2/48	RAYSPower NEW ENERGY CO LTD	Balanced specific gravity temperature distribution type diversion efficient heat collection tube device
CN102628619 A 20120808	CN20121124874 20120426	F24J2/24; F24J2/46	ANHUI SHANG GERUI SOLAR TECHNOLOGY CO LTD; MAO JUN	Flat solar heat collector with high heat transfer efficiency
CN102628620 A 20120808	CN20121124602 20120425	F24J2/30; F24J2/46	XIANJIE YANG	Flat solar water heater with externally arranged pipe plate type heat exchange device
CN102628621 A 20120808	CN20121078927 20120323	F24J2/46	JINLIANG YUAN	Positioning and adjusting device for vacuum tube
CN102628622 A 20120808	CN20121114282 20120418	F24J2/46; B24C1/06	LI JUN	High-performance solar vacuum tube and production method thereof
CN102635525 A 20120815	CN20111035464 20110210	F03G6/06; F24J2/06; G02B7/02; H02J7/00; H02N6/00	SHANGHAI JIUNENG ENERGY TECHNOLOGY DEV CO LTD	Heating device for solar thermal power generation system
CN102635946 A 20120815	CN20121105190 20120404	F24H9/00; A47J31/44; A47J31/46; A47J31/54; F16K31/12; F24J2/46	MENGLONG LV	Water inlet/outlet assembly of water heater

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CN102635950 A 20120815	CN20121096158 20120401	F24J2/00; F24J2/32; F24J2/40; F24J2/46	DEQIANG ZHENG	Multi-energy complementary comprehensive heat energy storage station
CN102635951 A 20120815	CN20121105410 20120405	F24J2/00; F24J2/40; F24J2/46	YISHAN ZHAO	Simple and automatic solar water heater
CN102635952 A 20120815	CN20121113842 20120418	F24J2/00; F24J2/08; F24J2/38; F24J2/52	UNIV NANJING POSTS & TELECOMM	Transmission-type folding solar heater
CN102635953 A 20120815	CN20121129195 20120427	F24J2/00; F24D15/00; F24F5/00; F24J2/34	TIANPU NEW ENERGY TECHNOLOGY CO LTD	Solar energy full-year collection and storage supply system
CN102635954 A 20120815	CN20121142922 20120510	F24J2/00; F24J2/40	UNIV HOHAI CHANGZHOU	Cooperation intelligent controller of solar water heater and gas water heater
CN102635955 A 20120815	CN20121146724 20120511	F24J2/00; F24J2/46	JIANGSU FUYUAN ENERGY SAVING ELECTRICAL APPLIANCE CO LTD	Solar water heater capable of being filled with water automatically
CN102635956 A 20120815	CN20121075565 20120321	F24J2/05; F03G6/06; F24J2/08; F24J2/24; F24J2/38; F24J2/46	SHENZHEN CUMARK NEW TECHNOLOGY CO LTD	Solar heat-collecting power generation device
CN102635957 A 20120815	CN20121114843 20120419	F24J2/05; F24J2/46; F24J2/48	DEHE YANG	Integrated solar water heater and assembly thereof
CN102635958 A 20120815	CN20121146275 20120511	F24J2/10; F24J2/24; F24J2/40; F24J2/46; G05D3/00; H02J7/00	HIMIN SOLAR CO LTD	Two-pipe-type self-power multifunctional solar stove
CN102635959 A 20120815	CN20121103753 20120401	F24J2/30; F24J2/46	SHU WANG	Wall-mounted solar water heater
CN102635960 A 20120815	CN20121146709 20120511	F24J2/40	JIANGSU FUYUAN ENERGY SAVING ELECTRICAL APPLIANCE CO LTD	Automatic alarm device for leakage of water tank
CN102635961 A 20120815	CN20121090705 20120330	F24J2/46; F24J2/48	PANG JUN	Heat pipe plate for solar water heater or solar power-heat cogeneration system

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CN102635962 A 20120815	CN20121114202 20120418	F24J2/46; B24C1/06; F24J2/48	NINGXIA CITY YINCHEN SOLAR ENERGY TECHNOLOGY CO LTD	Method for producing heat- absorbing plate in flat type solar heat collector
CN102635963 A 20120815	CN20121127903 20120426	F24J2/46	BEIJING TIANPU SOLAR ENERGY INDUSTRY CO LTD	Direct through glass vacuum pipe, manufacture method and air heat collector
CN102635964 A 20120815	CN20121093256 20120401	F24J2/48; C03C17/23; C03C17/32	NINGBO INST MAT TECH & ENG CAS	Broad-spectrum solar absorbing coating and preparation method thereof
CN102635965 A 20120815	CN20121122475 20120424	F24J2/52	SHANGHAI INTELLIGENCE POWER ELECTRIC ENGINEERING CORP	Pressing block type solar system support
CN102635974 A 20120815	CN20111314380 20100223	F25B29/00; E04B5/21; E04B5/36; E04D13/18; F24J2/00; F25B49/00	LIMING FU	Heating and cooling system for solar building
CN102635978 A 20120815	CN20121096826 20120405	F25B30/06; C12M1/107; C12Q3/00; F24J2/00; F25B49/00	UNIV TONGJI	Anaerobic digester heating system with solar heat pump and operation control method
CN102639944 A 20120815	WO2010EP66191 20101026; DE200910046064 20091027	F24J2/05; F24J2/14; F24J2/24; F24J2/46	SCHOTT SOLAR AG [DE]	Absorber tube and method for the reversible loading and unloading of a getter material
CN102639945 A 20120815	WO2010EP68640 20101201; DE200910047548 20091204	F24J2/05; F24J2/07; F24J2/46	SCHOTT SOLAR AG [DE]	Absorber tube
CN102640299 A 20120815	WO2010EP66895 20101105; US20090258343P 20091105	H01L31/042; F24J2/52; H01L31/048	OERLIKON SOLAR AG	Method for fixing a mounting element to a photovoltaic module

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CN102644361 A 20120822	CN20121139924 20120508	E04D13/18; F24J2/00	SHANXI AGRICULTURAL UNIVERSITY	Solar ceramic tile, combination system thereof and method for utilizing solar energy in large area
CN102644775 A 20120822	CN20121116375 20120412	F16K17/00; F16K15/00; F16K27/00; F24H9/00; F24J2/46	MENGLONG LV	Insulation valve and water inlet/outlet assembly of water heater assembled with insulation valve
CN102645028 A 20120822	CN20111043683 20110222	F24J2/00; F24J2/46	YONGZHONG HUANG	Solar water heater using magnetic control pipe to carry out auxiliary heating
CN102645029 A 20120822	CN20121109036 20120413	F24J2/00; F24J2/04; F24J2/40; F24J2/46; F24J2/51	SHANGHAI ZHAIYUAN NEW ENERGY TECHNOLOGY CO LTD	Solar water heater capable of preventing freezing, overheating and heat dissipation
CN102645030 A 20120822	CN20121156045 20120517	F24J2/00; F24H4/02	SHAOMIN MO	Digital heat catching type solar overbite heat pump hot water production plant
CN102645031 A 20120822	CN20121155957 20120518	F24J2/02; F24J2/46	QING GUO	Double-focal-spot dual-purpose solar furnace
CN102645032 A 20120822	CN20121151013 20120516	F24J2/04; F24J2/40	URUMQI HONGLI SUNSHINE SOLAR ENERGY CO LTD	Intelligent variable-frequency constant-temperature non water tank wall-hanging solar water heater
CN102645033 A 20120822	CN20111040093 20110218	F24J2/20; F24J2/46; F24J2/50	QI DING	Metallic vacuum flat-plate collector
CN102645034 A 20120822	CN20121148341 20120514	F24J2/20; F24J2/46; F24J2/48	ZHANPING WANG	Solar heat collector with variable angle
CN102645035 A 20120822	CN20121138012 20120504	F24J2/38	INST ELECTRICAL ENG CAS	Hydraulic drive mechanism of heliostat
CN102645036 A 20120822	CN20121142812 20120509	F24J2/38; H02N6/00	DEJIU LIU	Sunlight trace synchronizer

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CN102645037 A 20120822	CN20121061166 20120309	F24J2/40	CHONGQING HAIER WATER HEATER CO LTD; HAIER GROUP CO LTD; QINGDAO ECONOMIC DEV ZONE HAIER WATER HEATER CO LTD	Water heater heating control method and water heater control device
CN102645038 A 20120822	CN20121130485 20120428	F24J2/40	NANNING ZHENGXIANG ELECTRICAL TECHNOLOGY CO LTD	Solar collection system water circulation pump controller based on power supply of solar cell panels
CN102645039 A 20120822	CN20111041954 20110222	F24J2/46	HENG NIU	Heat tracing band mounting sleeve of solar water heater
CN102645040 A 20120822	CN20111046711 20110219	F24J2/46	DIANZHI LI	Water temperature adjusting and mixing pipe of solar water heater
CN102645041 A 20120822	CN20121139423 20120508	F24J2/46	TAIZHOU FREE ENERGY DEV CO LTD	Split pressure-bearing solar water-heater combined water tank
CN102645042 A 20120822	CN20121153275 20120517	F24J2/46; F24J2/40	UNIV ZHEJIANG TECHNOLOGY	Water-saving constant-temperature solar water heater
CN102645043 A 20120822	CN20121153619 20120517	F24J2/46; F24J2/30	HEBEI SUER MANI SOLAR ENERGY TECHNOLOGY CO LTD	Energy storage heat exchanger
CN102645044 A 20120822	CN20121157307 20120517	F24J2/46; F24J2/00; F24J2/05; F24J2/26; F24J2/40; F24J2/48	UNIV SHANGHAI SCIENCE & TECH	Direct-expansion solar heat pump water heating system
CN102645045 A 20120822	CN20121157982 20120521	F24J2/54; F24J2/38	SHAOGUAN UNIVERSITY	Compact type solar water heater intelligent rotating plate
CN102646740 A 20120822	CN20111042671 20110218	H01L31/048; C09J7/02; F24J2/46	3M INNOVATIVE PROPERTIES CO [US]	Adhesive tape, solar assembly manufactured by adhesive tape and product
CN102648382 A 20120822	WO2010ES00455 20101111; ES20090002157 20091112	F24J2/46; F24J2/05	ABENGOA SOLAR NEW TECH SA [ES]	Novel expansion compensation device and method for manufacture thereof
CN102650468 A 20120829	CN20111047009 20110228	F24J2/00; F24J2/10; F24J2/48	XINGUANG LIU	Spherical solar water heater

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CN102650469 A 20120829	CN20121126405 20120426	F24J2/00; F24J2/46	YIXING HUARUI FOUNDING MATERIAL CO LTD	Novel silicon carbide foam ceramic solar energy air heat absorber
CN102650470 A 20120829	CN20111047010 20110228	F24J2/04; F24J2/46; F24J2/50	XINGUANG LIU	Conical solar water heater
CN102650471 A 20120829	CN20111046581 20110228	F24J2/32; E04B2/88; E04D13/18; F24J2/46	QI DING	Coated vacuum flat plate made of composite material
CN102650472 A 20120829	CN20111051516 20110227	F24J2/46	JIANRONG LIU	Anti-overheat solar thermal collector
CN102650473 A 20120829	CN20121138762 20120508	F24J2/46; F24J2/48	SHANGHAI ZHENENGHE SOLAR ENERY EQUIPMENT CO LTD	Collector core and flat solar collector adopting same
CN102650474 A 20120829	CN20121162655 20120523	F24J2/48; B32B9/04; C23C14/08; C23C14/35	BEIJING TRX SOLAR TECHNOLOGY CO LTD	High-temperature selective solar energy-absorbing coating with Cr2O3-Al2O3 dual-ceramic structure and preparation method thereof
CN102653151 A 20120905	CN20121161445 20120523	B32B18/00; F24J2/48	HIMIN SOLAR CO LTD	Solar selective absorption coating
CN102653964 A 20120905	CN20121125793 20120426	E04B7/02; E04B7/16; E04D13/03; E04D13/16; F24F7/013; F24J2/34	CHINA STATE CONSTRUCTION NORTHWEST ARCHITECTURAL DESIGN AND RES INST CO LTD	Multifunctional roof heating and ventilation system and method using solar energy
CN102654103 A 20120905	CN20111094514 20110411	F03D9/00; F24J2/48	ZHENXIN SHEN	Method for manufacturing rod- shaped hollow-tube solar power generation system
CN102654112 A 20120905	CN20111056960 20110301	F03G6/06; F03B1/00; F03B13/00; F03B13/06; F04D13/06; F24J2/10	JINTAO TECHNOLOGY CO LTD OF HARBIN INST OF TECHNOLOGY	Solar power generating station

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CN102654313 A 20120905	CN20121106812 20120331	F24J2/02; F24J2/46	HAN JUN	Solar ray refraction condensation conversion high-temperature energy manufacturing instrument
CN102654314 A 20120905	CN20121148865 20120515	F24J2/30; F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Plate-frame heat exchanger and water tank connection mechanism
CN102654315 A 20120905	CN20111051889 20110304	F24J2/32; F24J2/46; F24J2/50	QI DING	Stone and glass superconducting vacuum flat plate collector
CN102654316 A 20120905	CN20121117764 20120421	F24J2/38	WANHONG LI	Sunlight axis tracking assembly
CN102654317 A 20120905	CN20111152631 20110609	F24J2/46; F24J2/40	HUA TAN	Solar water heating system with cold-water-free discharge structure
CN102654318 A 20120905	CN20121116958 20120419	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Solar photo-thermal generation phase-change energy storage medium melting and anti-condensation technology and device
CN102654319 A 20120905	CN20121117386 20120419	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Solar photo-thermal generating universal multifunctional composite tube
CN102654320 A 20120905	CN20121148707 20120515	F24J2/46; F24J2/40	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Heating medium system in solar collector
CN102654321 A 20120905	CN20111050840 20110303	F24J2/48	BAOTIAN TANG	Explosion-proof vacuum heat-collecting tube
CN102654322 A 20120905	CN20111049489 20110301	F24J2/51	CUBE ENERGY TECHNOLOGY SHANGHAI CO LTD E	Vacuum thermal insulation device for big-caliber pipeline
CN102654369 A 20120905	CN20121154323 20120518	F28D15/02; F24J2/46	QINGDAO HAIZHICHUAN RENEWABLE ENERGY RES INST	Heat tube internally filled with phase-change liquid and solar heat-collecting tube

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CN102654370 A 20120905	CN20121154328 20120518	F28D15/02; F24J2/46; F28F21/08	QINGDAO HAIZHICHUAN RENEWABLE ENERGY RES INST	Aluminium heat tube and solar heat-collecting tube
CN102656364 A 20120905	WO2010AU01035 20100813; AU20090903818 20090814	F03G6/06; F24J2/42; F24J2/48; F28D20/02	GNOMON TECHNOLOGIES PTY LTD	Thermal energy storage apparatus, arrangement and method
CN102656396 A 20120905	WO2010EP66124 20101026; IT2009PD00316 20091028	F16L11/12; F16L59/14; F16L59/153; F24J2/46	EVERLUX S R L	Multilayer tube for hydraulic connection and wiring of solar panels
CN102661411 A 20120912	CN20121118424 20120423	F16K17/19; F24J2/46	HU SHENG	Bidirectional ventilation device of solar water heater
CN102661615 A 20120912	CN20121173171 20120530	F24D3/08; F24D19/10; F24J2/00; F24J2/05; F24J2/24; F24J2/46	CHINA ARCHITECTURE DESIGN & RES GROUP	Solar comprehensive heating system capable of supplying heat and hot water integrally for house
CN102661632 A 20120912	CN20121180843 20120604	F24J2/30; F24J2/46	JIANWEI CUI	Separated-type solar vacuum heat collecting and heat exchanging system
CN102661633 A 20120912	CN20121180218 20120604	F24J2/46	JIANWEI CUI	Through-type solar vacuum heat collecting tube
CN102667349 A 20120912	WO2010AU01420 20101025; AU20090905161 20091023	F24D11/00; F24D15/02; F24J2/34; F24J2/44	SHANE WEST	Thermal regulation system
CN102667361 A 20120912	WO2010US51815 20101007; US20090249280P 20091007	F24J2/00	ROBERT ORSELLO	Method and system for concentration of solar thermal energy
CN102667363 A 20120912	WO2010US51817 20101007; US20090249278P 20091007	F24J2/10	ROBERT ORSELLO	System and method for heat rejection in a solar power collection system

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CN102667364 A 20120912	WO2010AU01533 20101116; AU20090905616 20091118; AU20100904294 20100923	F24J2/46; C02F1/14	FIRST GREEN PARK PTY LTD [AU]	Solar still assembly
CN102667656 A 20120912	WO2010IN00419 20100618; IN2009MU01545 20090701; IN2010MU00951 20100330	G05D3/12; F22B1/00; F24J2/10	RAVINDRA PATWARDHAN; RAJEEV PANDIT	A solar central receiver system employing common positioning mechanism for heliostats
CN102668117 A 20120912	WO2010AT00440 20101116; AT20090001824 20091118	H01L31/042; F24J2/52; H01L31/045	FRANZ HILBER	Base structure of a stationary photovoltaic system
CN102668122 A 20120912	WO2010EP69893 20101216; DE200910059232 20091218	H01L31/042; F24J2/52	SCHOTT SOLAR AG [DE]	Method for producing a frame and solar cell module frame
CN102676125 A 20120919	CN20121169219 20120528	C09K5/06; F24J2/34	INST OF ENERGY HEBEI ACADEMY OF SCIENCES	Solar phase change energy storage composite material for floor radiant heating and preparation method of composite material
CN102677519 A 20120919	CN20111058908 20110311	D21F5/00; F24J2/06; F24J2/46	HENAN JIANGHE PAPER CO LTD	Solar environment-friendly drying section
CN102677835 A 20120919	CN20111064021 20110317	E04D13/18; E04B7/02; E04D13/16; F03B13/00; F24F5/00; F24J2/04; F24J2/46	XINGUANG LIU	Solar energy type roof

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CN102678488 A 20120919	CN20111060078 20110314	F03G6/06; F01K25/08; F02G1/043; F24J2/04	JIANCHENG ZHANG	Groove type solar medium-low temperature sterling thermal generating device
CN102678489 A 20120919	CN20111060539 20110314	F03G6/06; F01K25/00; F24J2/04	INST ENG THERMOPHYSICS CAS	Parabolic trough type solar thermal power generation system
CN102678490 A 20120919	CN20121141146 20120509	F03G6/06; C02F11/10; C04B18/30; F02C3/24; F02C6/00; F24J2/34	SHIJIAZHUANG ZHONGDA LINUO SOLAR ENERGY ENGINEERING CO LTD	Hybrid generation system
CN102679428 A 20120919	CN20121183322 20120606	F24D3/00; F24D3/14; F24D19/10; F24J2/00; F24J2/05; F24J2/24; F24J2/46	CHANGZHOU MEIRUN SOLAR ENERGY CO LTD	Heat-supplying and heat-storing system for solar heat cabinet
CN102679543 A 20120919	CN20111438599 20111225	F24H4/02; F24J2/00	UNIV HENAN SCIENCE & TECH	System for producing hot water by aid of low-grade heat
CN102679557 A 20120919	CN20121158315 20120505	F24H9/14; F16K27/00; F24J2/46	HAILONG WANG	Hose connection-free water heater
CN102679558 A 20120919	CN20121072005 20120319; CN20121094898 20120401	F24H9/16; F24H9/20; F24J2/40; F24J2/46	CHUANKUN WANG	Device for orderly draining liquid in pressure-bearing cylinder body
CN102679563 A 20120919	CN20121205693 20120621	F24J1/00; F24J2/34; F24J2/40; F24J2/46	UNIV SHANDONG	Multifunctional solar energy storage system and method
CN102679564 A 20120919	CN20111055458 20110309	F24J2/00; F24J2/40; F24J2/46	GUOCHUN XU	Solar water fountain
CN102679565 A 20120919	CN20111438598 20111225	F24J2/00; F24J2/40	UNIV HENAN SCIENCE & TECH	Device for obtaining high-temperature water by utilizing solar energy and air energy
CN102679566 A 20120919	CN20121160450 20120522	F24J2/00; F24J2/24; F24J2/30; F24J2/40; F24J2/46	JIANGSU LEPRO SEVA TECHNOLOGY CO LTD	Water boiler for heating by utilizing solar energy and heat pump and heating method of

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				water boiler
CN102679567 A 20120919	CN20111055457 20110309	F24J2/04; F24J2/40; F24J2/46	GUOCHUN XU	Solar water heater
CN102679568 A 20120919	CN20111068793 20110318	F24J2/04; F24J2/46	YUSHAN XIAO	Novel vacuum tube solar water heater
CN102679569 A 20120919	CN20121138798 20120427	F24J2/04; F24J2/46	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Plate-type solar heat collector with cross pipes
CN102679570 A 20120919	CN20121170010 20120529	F24J2/04; F24J2/46	JIE LI; SHUN OUYANG	Solar boiler
CN102679571 A 20120919	CN20111068817 20110318	F24J2/05; F24J2/24; F24J2/46	YUSHAN XIAO	Solar water heater with through-type dual-opening vacuum tubes
CN102679572 A 20120919	CN20121106828 20120331	F24J2/05; F24J2/46; F24J2/54	HAN JUN	High temperature energy manufacturing instrument by solar ray refractive concentration conversion
CN102679573 A 20120919	CN20121189552 20120608	F24J2/05; F24J2/46	YANG XU	Dual-casing-pipe vacuum glass intermediate-temperature system and heat
CN102679575 A 20120919	CN20121138820 20120427	F24J2/20; F24J2/32; F24J2/46; F24J2/48	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Flat-plate solar water heater with snakelike flow passage
CN102679576 A 20120919	CN20121138808 20120427	F24J2/24; F24J2/32; F24J2/46; F24J2/48	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Cross-tube sheet type solar water heater
CN102679577 A 20120919	CN20121173034 20120529	F24J2/24; F24J2/46; F24J2/48; F24J2/52	JIAN KANG; YULIN ZHANG; XIN ZHAO	Solar heat-energy collecting device with plastic composite material structure
CN102679578 A 20120919	CN20121170196 20120528	F24J2/30; F24J2/46	INST ELECTRICAL ENG CAS	Solar particle heat absorber with cyclone separators
CN102679579 A 20120919	CN20121181448 20120605	F24J2/30; F24J2/46	CHANGZHOU MEIRUN SOLAR ENERGY CO LTD	Solar hot cabinet

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CN102679580 A 20120919	CN20121163051 20120524	F24J2/32; F24J2/46	WENZHI ZHANG	Externally-arranged liquid dredging valve and working medium storage tank combined heat pipe solar heat collector
CN102679581 A 20120919	CN20111055460 20110309	F24J2/34; F24J2/40; F24J2/46	GUOCHUN XU	Solar water boiling device
CN102679582 A 20120919	CN20121143706 20120510	F24J2/38	LEI RAN	Large-scale solar thermovoltaic power generation system device
CN102679583 A 20120919	CN20121006734 20120111	F24J2/40; F24J2/00; F24J2/05; F24J2/24	BEIJING YUXIN YANGGUANG SOLAR ENERGY INDUSTRY CO LTD	Intelligent solar water heater
CN102679584 A 20120919	CN20121144692 20120510	F24J2/40	WUHU MIDEA SOLAR ENERGY TECHNOLOGY CO LTD	Photovoltaic heating and conventional mains supply heating complementary controlling system for water heater and method
CN102679585 A 20120919	CN20121151337 20120516	F24J2/40	YU WU	Overflow alarm for solar water heater
CN102679586 A 20120919	CN20111056976 20110310	F24J2/46	LEI WANG	Heat collector plate core with high pressure bearing capacity and multi-material lamination manufacturing process
CN102679587 A 20120919	CN20111068795 20110318	F24J2/46	YUSHAN XIAO	Inner guide plate for vacuum tube
CN102679589 A 20120919	CN20121126586 20120426	F24J2/46	ZHEJIANG HUAYIDE SOLAR ENERGY TECHNOLOGY CO LTD	Solar heat collecting plate
CN102679590 A 20120919	CN20121138830 20120427	F24J2/46; F24J2/48	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Snakelike runner flat-plate solar collector
CN102679591 A 20120919	CN20121138864 20120427	F24J2/46	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Water tank (with nozzle pipe) of solar water heater
CN102679592 A 20120919	CN20121142073 20120510	F24J2/46	SHANDONG JULI SOLAR ENERGY CO LTD	Heat absorption plate core structure of flat-plate solar

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				collector
CN102679593 A 20120919	CN20121146377 20120514	F24J2/46	XIAOCHEN FAN	Scratch-proof connector of solar heat collecting pipe
CN102679594 A 20120919	CN20121152966 20120516	F24J2/46; F24J2/30; F24J2/34	XIANJIE YANG	Double-heat-storage hot water tank
CN102679595 A 20120919	CN20121153333 20120517	F24J2/46	ZHEJIANG YINGKE NEW ENERGY CO LTD	Water tank subdivision for solar water heater
CN102679596 A 20120919	CN20121175236 20120531	F24J2/46	XUELIANG SHI	Anti-freezing water-saving solar water heater
CN102679597 A 20120919	CN20121178680 20120603	F24J2/46; F24J2/40	GUOXIN YIN	Water feeding and supplying device for intelligent energy-saving solar water heater
CN102679598 A 20120919	CN20121181968 20120605	F24J2/46; F16K31/06	JIUQUAN SUN	Internal siphon pipeline evacuation valve of solar water heater
CN102679599 A 20120919	CN20121183151 20120605	F24J2/46; F24J2/48	BIN LU	Flat plate solar collector core
CN102679600 A 20120919	CN20121190452 20120611	F24J2/46; F24J2/40	LIANGJIE LI	Automatic stopping water-filling device for solar water heater
CN102679601 A 20120919	CN20121111236 20120416	F24J2/52; G02B7/182	UNIV DALIAN TECH	Rigid and flexible mixed supporting device for solar paraboloid concentrating heat collector
CN102683461 A 20120919	CN20111062680 20110315	H01L31/052; F24J2/00; F24J2/46; G02B5/10; G02B7/182; G02B19/00	YANG LIU	Concentrated solar device
CN102686707 A 20120919	WO2010EP61959 20100817; US20090235417P 20090820	C10G1/10; C07C1/00; C10G2/00; C10G3/00; C25B1/04; F24J2/00;	ANTECY BV [NL]	Artificial photosynthesis

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		H01L25/00; H01L31/00		
CN102691626 A 20120926	CN20121011095 20120115	F03D9/00; F01K27/00; F03D11/00; F03G6/06; F24J2/04	UNIV HENAN SCIENCE & TECH	Hot wind tower power generation device and method by using industrial waste heat and solar energy
CN102691822 A 20120926	CN20121174747 20120520	F16K31/12; F16K31/44; F24J2/46	LIGUO FENG	Air type emptying valve of solar water heater
CN102692058 A 20120926	CN20121192910 20120607	F24F5/00; B01D5/00; B01D51/02; F24J2/00	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Solar steam jet-type water-cooling air cleaning system
CN102692080 A 20120926	CN20121154559 20120518	F24J2/00; F24J2/40; F24J2/46	YONGLIANG PAN	New type solar water heater with electric heating function and electric heating control method
CN102692081 A 20120926	CN20111066640 20110321	F24J2/05; F24J2/46; F24J2/50	WEIMIN ZOU	Efficient directly-heated solar energy collector
CN102692082 A 20120926	CN20111071466 20110324	F24J2/20; F24J2/51	QI DING	Flat plate collector with sealed cavity insulating layer
CN102692083 A 20120926	CN20121206026 20120620	F24J2/20; F24J2/46; F24J2/51	XIANJIE YANG	Vacuum heat preservation flat-plate solar collector
CN102692084 A 20120926	CN20111074586 20110325	F24J2/24; F24J2/48	NANTONG JINGYUAN HYDRAULIC AUTOMATION EQUIPMENT CO LTD	Solar flat plate collector
CN102692085 A 20120926	CN20121154322 20120518	F24J2/24; F24J2/32; F24J2/46; F24J2/48	QINGDAO HAIZHICHUAN RENEWABLE ENERGY RES INST	Solar collector tube and solar water heater
CN102692086 A 20120926	CN20121201153 20120619	F24J2/30; F24J2/48; F24J2/50	JIANGUO SHI	Flat wall-mounted solar water heater without water tank
CN102692087 A 20120926	CN20121184865 20120606	F24J2/32; F24J2/05; F24J2/24	CHANGCHUN INST OF TECHNOLOGY	Flat plate type solar thermal collector with composite pulsating heat pipe

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CN102692088 A 20120926	CN20111072842 20110324	F24J2/40	CUBE ENERGY TECHNOLOGY SHANGHAI CO LTD E	Flow control method for solar heat collector system
CN102692089 A 20120926	CN20121211201 20120626	F24J2/46; F24H9/00	SHANDONG AIKEDUO THERMAL ENERGY TECHNOLOGY CO LTD	Natural-circulation type water storage and heat exchange water tank
CN102692696 A 20120926	CN20111071984 20110324	G02B19/00; F24J2/46; G02B5/10	WUHAN SUNYANMING SOLAR ENERGY TECHNOLOGY CO LTD	Ultra-bright light and ultra-high temperature super reflection module condenser
CN102695924 A 20120926	WO2010GB51910 20101116; GB20090019934 20091116	F24D11/00; F24D11/02; F24H7/04; F24H9/20; F24J2/34; F25B7/00; F25B29/00; F28D20/02	SUNAMP LTD	Energy storage systems
CN102696435 A 20121003	CN20121134781 20120503	A01G9/24; A01G9/22; A23N12/08; A23N15/06; F24J2/00	UNIV HUAZHONG SCIENCE TECH	Greenhouse equipment with movable cover plate and application of greenhouse equipment
CN102704716 A 20121003	CN20111125007 20110505	E04H5/00; C02F1/14; C02F3/34; C05F7/00; C05F9/02; C05F9/04; F03D9/00; F24J2/00; H02N6/00	HUAIMIN LV; SHEN LV	Light shed energy source device
CN102704804 A 20121003	CN20111074678 20110328	E06B5/00; E06B3/66; E06B3/67; F24J2/30	XINGUANG LIU	Sun window
CN102705186 A 20121003	CN20121118547 20120423	F03G6/06; F01D15/10; F24J2/08; F24J2/10	GUOLI LI	Solar over-speed heat absorption energy increasing power generation device
CN102705531 A 20121003	CN20121141930 20120501	F16K11/00; F24J2/46	HONGSHENG CAI	Multifunctional water faucet for showering
CN102705888 A 20121003	CN20121151553 20120516	F24D3/18; F24J2/30	UNIV JIAOTONG SOUTHWEST	Heating system combining active solar energy and CO2 air source heat pump

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CN102705896 A 20121003	CN20121215276 20120627	F24D15/02; F24J2/34	SHIJIAZHANG SANDI IND CO LTD	Solar summer-collected winter-used thermal energy circulating system
CN102705898 A 20121003	CN20121167018 20120518	F24D17/00; F24D19/10; F24J2/05	QINHUANGDAO ZHONGRONG SOLAR ENERGY CO LTD	Solar potable water preparation system and method for preparing potable water by using solar potable water preparation system
CN102705911 A 20121003	CN20121192918 20120607	F24F1/00; B01D47/02; F22B1/00; F24J2/00	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Solar steam jet air cooling air cleaning system
CN102705926 A 20121003	CN20121002297 20120105	F24F5/00; E04D13/18; F24J2/05; F24J2/24; F24J2/46	QUANLING WANG	Roof plate solar collector integrated heat pump air conditioner
CN102705975 A 20121003	CN20121191376 20120612	F24H1/00; C02F1/461; C02F1/48; C02F1/68; F24H1/16; F24J2/04	FUZHOU OSPRING SCIENCE AND TECHNOLOGY CO LTD	Multi-functional and environment-friendly water heater
CN102705996 A 20121003	CN20111074786 20110328	F24J2/00; H02N6/00	YUNNAN FIREHAWK SOLAR WATER HEATER CO LTD	Solar water heater with photovoltaic power generation system
CN102705997 A 20121003	CN20121163125 20120523	F24J2/00; F24J1/00	UNIV SHANGHAI JIAOTONG	Solar thermochemical adsorption seasonal efficient energy storage device and method
CN102705998 A 20121003	CN20121194174 20120613	F24J2/00; F24J2/24; F24J2/34; F24J2/46; H02N11/00	YUNNAN LONGRUN PHARMACEUTICAL CO LTD	Three-purpose solar energy system for steam, power generation and heat storage
CN102705999 A 20121003	CN20121239779 20120712	F24J2/02; F24J2/46	HAOYUAN FAN	Convex lens energy-collecting water heater
CN102706000 A 20121003	CN20121222762 20120702	F24J2/04; F24J2/40; F24J2/46	HELIAO XU	Separated type solar water heater with freeze prevention and frost resisting functions
CN102706002 A 20121003	CN20121224646 20120614	F24J2/05; F24J2/46; F24J2/51	MA HAIYONG	Simple solar thermal collector

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CN102706003 A 20121003	CN20121242209 20120713	F24J2/05; F24J2/24; F24J2/48	XIONGFENG ZHOU	Flat plate type solar collector
CN102706004 A 20121003	CN20121206225 20120621	F24J2/06; F24J2/24; F24J2/46	ZHENJIANG BOLIN PHOTOELECTRIC TECHNOLOGY CO LTD	Focusing solar heat collecting device and heat collecting system
CN102706005 A 20121003	CN20121206224 20120621	F24J2/08	ZHENJIANG BOLIN PHOTOELECTRIC TECHNOLOGY CO LTD	Focusing point shift diffusion type solar tracking device
CN102706006 A 20121003	CN20121229724 20120704	F24J2/08; F24J2/46; F24J2/50	GUANGHUI ZHENG; ZHAO PEIZHEN	Solar collector and solar water heater
CN102706007 A 20121003	CN20121194418 20120614	F24J2/20; B01D24/00; B01D36/04; E03B3/02; F24J2/40	DAN XUE	Solar water heater capable of utilizing rainwater
CN102706008 A 20121003	CN20121218021 20120628	F24J2/24	SHIJIAZHANG SANDI IND CO LTD	Wall mounting type solar water heater integrated with house
CN102706009 A 20121003	CN20121206032 20120620	F24J2/30; F24J2/46; F24J2/50	XIANJIE YANG	Photo-thermal tabular double-side heating type instant heater
CN102706010 A 20121003	CN20121205821 20120621	F24J2/38	CHANGZHOU YAMEI ELECTRICAL MFG CO LTD	Passive automatic tracking system for heliostat of novel tower type solar heat collection system
CN102706011 A 20121003	CN20121205901 20120618	F24J2/38; F24J2/40	BEIJING INST OF FILM MACHINERY	Method and device for one- dimensional sun position tracking for solar heat accumulator
CN102706012 A 20121003	CN20121174145 20120530	F24J2/40	XUZHOU BRIGHT SOLAR ENERGY WATER HEATER FACTORY	Constant temperature control device for solar water heater
CN102706013 A 20121003	CN20121205805 20120621	F24J2/40; F24J2/38	CHANGZHOU YAMEI ELECTRICAL MFG CO LTD	Automatic adjustment and conversion control device for heliostat in tower-type solar heat collecting power generation system

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CN102706014 A 20121003	CN20121131937 20120502	F24J2/46; B21D37/10; B21D53/08	KUNMING HOLGUIN TECHNOLOGY CO LTD	Solderless multi-material composite solar thermal collector board core of thin wall/thick wall diversion pipe
CN102706015 A 20121003	CN20121146131 20120511	F24J2/46; F24J2/48	SHANDONG JULI SOLAR ENERGY CO LTD	Heat absorbing plate core of flat- plate solar heat collector
CN102706016 A 20121003	CN20121185223 20120607	F24J2/46; F24J2/20	TIBETAN AUTONOMOUS REGION ENERGY RES DEMONSTRATION CENTRAL	Absorber plate core for flat plate solar thermal collector and solar thermal collector
CN102706017 A 20121003	CN20121228443 20120703	F24J2/46	QINGDAO KUWATANI SUNSHINE ENERGY TECHNOLOGY CO LTD	Solar energy heat collection module glass cover plate and cover plate system
CN102706018 A 20121003	CN20121185135 20120606	F24J2/48; B32B9/04; C23C14/14; C23C14/35	GUANGZHOU INST ENERGY CONV CAS	Solar energy medium/high temperature selective absorption coating
CN102706019 A 20121003	CN20121200064 20120614	F24J2/52	HAINING OUPAI RINENG SOLAR WATER HEATER CO LTD	Water heater bracket
CN102706029 A 20121003	CN20121192890 20120607	F25B23/00; F24J2/50; F25B27/00; F25B41/00	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Snake plate type solar steam jet refrigerating system
CN102706030 A 20121003	CN20121192929 20120607	F25B23/00; F24J2/46; F25B27/00; F25B41/06	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Cross pipe plate type solar steam jet refrigerating system
CN102706037 A 20121003	CN20121164659 20120525	F25B30/06; F24J2/00; F24J2/04	ZHEJIANG HESHENG ENERGY SAVING TECHNOLOGY CO LTD	Device for supplying heat to water resource heat pump by combination of solar energy and air energy
CN102706190 A 20121003	CN20121223235 20120629	F28D15/02; F24J2/46	SHANDONG TIANHUI NEW ENERGY CO LTD	Heat-loss-free-type glass heat tube
CN102709355 A 20121003	CN20121207229 20120621	H01L31/042; F24J2/52	QINGYUAN TECHNOLOGY XIAMEN CO LTD	Rapid clamping structure of photovoltaic system

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CN102709669 A 20121003	CN20121133943 20120428	H01Q1/22; F24J2/46; H01Q15/23; H01Q19/06; H01Q19/10	SHENZHEN GUANGQI INNOVATION TE	Solar water heater with integrated metamaterial satellite antenna
CN102713393 A 20121003	WO2010IB03332 20101220; IT2009BG00069 20091230	F16L11/22; F16L59/14; F16L59/153; F24J2/46	PAOLO SPINELLI	Solar panel tube
CN102713457 A 20121003	WO2010US34827 20100514; US20090179189P 20090518	F24J2/34; F24H7/00; F24J2/04	SAINT GOBAIN CERAMICS	Thermal energy storage apparatus
CN102717552 A 20121010	CN20121219801 20120629	B32B15/01; C23C30/00; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Grooved solar corrosion-resistant protective coating
CN102717553 A 20121010	CN20121220481 20120629	B32B15/01; C23C30/00; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Corrosion-resistant coating of groove type solar collector
CN102718272 A 20121010	CN20121231482 20120706	C02F1/02; F24J2/06; F24J2/24	TIANJIN BINHAI VERTICAL AND HORIZONTAL PIPE NETWORK ENGINEERING TECHNOLOGY IDENTIFICATION RES INST; TIANJIN JIMAI ECOLOGICAL AGRICULTURE TECHNOLOGY RES INST; TIANJIN AGRICULTURAL UNIVERSITY; ZHUHUA ZANG	Solar water body purification treatment system and purification method
CN102719779 A 20121010	CN20121220359 20120629	C23C4/10; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Non-vacuum groove barrier coating for solar power generation
CN102719825 A 20121010	CN20121220356 20120629	C23C30/00; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Solar thermal power generation corrosion-resistant protective coating

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CN102719826 A 20121010	CN20121220668 20120629	C23C30/00; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Buffer coating for trough type solar thermal power generation
CN102720287 A 20121010	CN20121130749 20120429	E04B2/88; E04D13/18; F24J2/46; H02N6/00	HUNAN TLNZ SOLAR TECHNOLOGY CO LTD	Circulating type solar energy photoelectric heat curtain wall
CN102720314 A 20121010	CN20121184805 20120606	E04F11/18; F24J2/20	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Integral balcony fence with solar water heater
CN102720315 A 20121010	CN20121185115 20120606	E04F11/18; F24J2/20	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Integrated solar balcony fence
CN102720827 A 20121010	CN20121233194 20120706	F16H55/18; F24J2/38	ZHEJIANG SUPCON SOLAR ENERGY TECHNOLOGY CO LTD	Backlash eliminating device of heliostat tracking system
CN102721182 A 20121010	CN20121121302 20120424	F24J2/00	JIANGSU QINENG NEW ENERGY MATERIALS CO LTD	Electromagnetic auxiliary heating system
CN102721183 A 20121010	CN20121186207 20120607	F24J2/00; F24J2/46; F24J2/48	JIAXING YUTENG NEW ENERGY TECHNOLOGY CO LTD	Anti-freeze high-efficiency flat solar water heater without water tank
CN102721184 A 20121010	CN20121195759 20120614	F24J2/00; F24J2/46; F24J2/51	GUANGSHENG LI	Wall-mounted type light wave heating double-layer linker solar water heater
CN102721185 A 20121010	CN20121195760 20120614	F24J2/00; F24J2/34; F24J2/46	GUANGSHENG LI	Wall-mounted solar water heater of light-wave heated balcony
CN102721186 A 20121010	CN20121213749 20120627	F24J2/00	LIGANG CAO; SHAOYI CAO	Novel solar air-energy water heater device
CN102721187 A 20121010	CN20121231774 20120705	F24J2/00; F24J2/04; F24J2/46	UNIV YUNNAN NORMAL	Solar energy device with heat pump temperature compensation and defrosting functions
CN102721188 A 20121010	CN20121239906 20120712	F24J2/00; F24J2/05; F24J2/24; F24J2/30	ZHEJIANG YUDI NEW ENERGY CO LTD	Stagewise indoor solar hot water circulating system
CN102721189 A 20121010	CN20121202313 20120619	F24J2/04; F24J2/46; F24J2/51	SUZHOU SUNSHINE SOLAR ENERGY CO LTD	Full-sealed anti-freezing waterproof thermal insulation panel type solar thermal collector

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CN102721190 A 20121010	CN20121134640 20120504	F24J2/05; F24J2/46; F24J2/50	JIE GU; YONGJIAN ZHAO; YANCAI TENG	Spiral duct type solar energy air heat collector
CN102721191 A 20121010	CN20121194441 20120612	F24J2/05; F24J2/46; F24J2/48	PEIHE XU	Solar collector
CN102721192 A 20121010	CN20121228753 20120704	F24J2/05; F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Solar hollow flat plate collector
CN102721194 A 20121010	CN20121246997 20120717	F24J2/10	FUJIAN ELECTRIC POWER SUPPLY COMPANY ELECTRIC POWER RES INST	Large-capacity high-concentrating ratio composite Fresnel line concentration reflection device
CN102721195 A 20121010	CN20121231892 20120706	F24J2/12; F24J2/16; F24J2/54	DESHENG ZHANG	Solar condensation and tracking array horizontal directional collection system
CN102721196 A 20121010	CN20111077916 20110330	F24J2/20; F24J2/46; F24J2/48	QI DING	Composite gapless flat-plate solar collector
CN102721197 A 20121010	CN20121230757 20120703	F24J2/20; F24J2/46	YONGQIANG DONG	Efficient multipurpose solar ventilating heat collecting device
CN102721198 A 20121010	CN20121220121 20120629	F24J2/24; F24J2/06; H02N6/00	RAYSPower NEW ENERGY CO LTD	Comprehensive photovoltaic generation and heat collection utilization device
CN102721199 A 20121010	CN20121121307 20120424	F24J2/34; F24J2/46	JIANGSU QINENG NEW ENERGY MATERIALS CO LTD	Thermal deformation-overcoming phase change thermal storage device
CN102721200 A 20121010	CN20121168104 20120528	F24J2/46; F24J2/48	UNIV SHENYANG JIANZHU	Flat-plate solar collector plate core with whole-face convection function
CN102721201 A 20121010	CN20121176330 20120531	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Forced flow mixing technology and device for solar photo- thermal power generation energy storage tank body
CN102721202 A 20121010	CN20121190005 20120608	F24J2/46	WUXI XUNENGGUANG THERMAL POWER ENERGY CO LTD	Bi-pass thermovoltaic vacuum tube

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CN102721203 A 20121010	CN20121199327 20120618	F24J2/46	SHANDONG FUTAI CERAMICS CO LTD	Flat box type ceramic water receiver and large-capacity water tank
CN102721204 A 20121010	CN20121212589 20120621	F24J2/46	BEIJING INST OF FILM MACHINERY	Hydraulic driving device and driving method used for trench type heat collecting system
CN102721205 A 20121010	CN20121215194 20120627	F24J2/46	ANHUI HAOLAIXI TECHNOLOGY CO LTD	Household type solar auxiliary heater
CN102721206 A 20121010	CN20121219794 20120629	F24J2/46; C23C14/06; C23C14/35; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Thermal collection tube of intermediate-and-low temperature solar thermal collector
CN102721207 A 20121010	CN20121219821 20120629	F24J2/46; B32B15/01; F24J2/50	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Trench type intermediate-temperature coating for solar energy
CN102721208 A 20121010	CN20121219823 20120629	F24J2/46; B32B15/01; C23C14/06; C23C14/08; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Heat collecting plate of solar heat collector
CN102721209 A 20121010	CN20121219836 20120629	F24J2/46; F24J2/50	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Non-vacuum groove type barrier coating for solar power generation
CN102721210 A 20121010	CN20121220340 20120629	F24J2/46; F24J2/50	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Heat collecting plate of solar heat collecting device
CN102721211 A 20121010	CN20121220343 20120629	F24J2/46; C23C14/06; C23C14/08; C23C14/35; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Medium-temperature solar thermal collector panel
CN102721212 A 20121010	CN20121220483 20120629	F24J2/46; B32B15/00; C23C14/06; C23C14/35; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Trough type solar medium-high-temperature heat collecting tube coating

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CN102721213 A 20121010	CN20121220500 20120629	F24J2/46; B32B15/01; C23C14/06; C23C14/35; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Solar high-temperature selective absorption coating
CN102721214 A 20121010	CN20121226028 20120703	F24J2/46; B23K1/008; B23K1/20	HUBEI CHANGYAOMING SOLAR ENERGY CO LTD	Flow passage structure for flat- plate solar collector cores and machining method thereof
CN102721215 A 20121010	CN20121237246 20120710	F24J2/46	LEI ZHU	Metal vacuum high-temperature heat collection pipe
CN102721216 A 20121010	CN20121219802 20120629	F24J2/48; B32B15/04; B32B33/00	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	High-temperature solar selective absorption coating
CN102721217 A 20121010	CN20121220319 20120629	F24J2/48; B32B15/04; B32B33/00	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Groove type solar high- temperature selective absorption coating
CN102721218 A 20121010	CN20121220358 20120629	F24J2/48; B32B15/04; B32B33/00	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Solar medium-temperature selective absorption coating
CN102721219 A 20121010	CN20121219527 20120629	F24J2/50; B32B15/01	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Groove type solar medium- temperature selective absorption coating
CN102721220 A 20121010	CN20121170611 20120529	F24J2/52	JIAXING YUTENG NEW ENERGY TECHNOLOGY CO LTD	Simple mounting system of flat- plate solar collector
CN102723389 A 20121010	CN20111079317 20110330	H01L31/042; F24J2/20; F24J2/46; H01L31/058; H02N6/00	SHANGHAI ANSHU ENVIRONMENT TECHNOLOGY CO LTD	Composite device of solar flat plate type power generation and heat collection
CN102725595 A 20121010	WO2010EP70066 20101217; US20090287312P 20091217	F24J2/52; H01L31/042	OERLIKON SOLAR AG	Mounting interface for a photovoltaic module

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CN102726820 A 20121017	CN20121242626 20120713	A24B3/10; A24B3/04; F24J2/00	UNIV YUNNAN	Energy-saving bulk curer with solar auxiliary heat supplying and waste heat recycling functions
CN102732884 A 20121017	CN20121219529 20120629	C23C30/00; B32B15/01; C22C38/14; F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Corrosion-resistant buffer coating for solar thermal power generation
CN102733453 A 20121017	CN20111098923 20110415	E03B7/00; E03B7/07; E03B7/12; F24J2/46	JIANYING ZHU	Antifreezing water pipe
CN102733496 A 20121017	CN20111093100 20110414	E04B1/74; E04B1/76; E04B2/00; E04B2/92; E06B3/36; E06B3/66; E06B5/00; F24F5/00; F24J2/00	XINGUANG LIU	Wall-window type solar air conditioner
CN102734095 A 20121017	CN20111086362 20110407	F03G6/06; F01K25/00; F22B1/00; F24J2/12	JIANCHENG ZHANG	Slotted solar intermediate/low-temperature ORC (organic rankine cycle) thermal power generator
CN102734938 A 20121017	CN20121259568 20120725	F24H9/20; F24J2/40	CHINA 19TH METALLURG CORP	Water conservation system for water heater
CN102734939 A 20121017	CN20111093955 20110415	F24J2/00; F24J2/46	BAOLIANG LV	Solar medium-high temperature heat collecting device
CN102734941 A 20121017	CN20121187677 20120607	F24J2/00	BEIJING CIB SOLAR TECHNOLOGY CO LTD	Automatic judgement method for pipe explosion and water leakage of solar water heating system
CN102734942 A 20121017	CN20121209121 20120619	F24J2/00; F24J2/32; F24J2/46; H01L31/052; H02N6/00	UNIV NORTH CHINA ELEC POWER	Distributed solar heat and power combination energy system
CN102734943 A 20121017	CN20121213971 20120627	F24J2/00; H02N6/00	SUZHOU SUNSHINE SOLAR ENERGY CO LTD	Split type flat-plate solar photothermal and photovoltaic system
CN102734944 A 20121017	CN20121241736 20120704	F24J2/00; F24F5/00; F24F11/02; F24J2/04; F24J2/40	GUANGXI THEODOOR COLD AND HOT EQUIPMENT CO LTD	Novel solar and air energy water heater system

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CN102734945 A 20121017	CN20111089030 20110407	F24J2/02; F24J2/36; F24J2/52	ZESI WANG	Umbrella-type solar panel cooker
CN102734946 A 20121017	CN20111093982 20110415	F24J2/05; F24J2/24; F24J2/50; F24J2/52	BAOLIANG LV	Integral low-temperature resistance and efficient heat collecting solar device for building
CN102734947 A 20121017	CN20111094587 20110404	F24J2/05; F24J2/46	BENZHAO ZHANG	Solar water heater
CN102734948 A 20121017	CN20121204652 20120620	F24J2/05; F24J2/12; F24J2/46; F24J2/48; F24J2/52	UNIV ZHEJIANG [CN]	Portable solar water boiler
CN102734949 A 20121017	CN20111093963 20110415	F24J2/10; F24J2/30; F24J2/46	BAOLIANG LV	Focused solar water heater
CN102734951 A 20121017	CN20121229258 20120703	F24J2/12	UNIV NANJING	Crank-connection link tracking type compound parabolic concentrator
CN102734952 A 20121017	CN20121061599 20120309	F24J2/13; F22B1/00	JIANBO ZHU	Solar focusing device and system
CN102734953 A 20121017	CN20111093971 20110415	F24J2/32; F24J2/46; F24J2/50	BAOLIANG LV	Module-split solar flat-plate vacuum heat collector
CN102734954 A 20121017	CN20111086607 20110329	F24J2/46; G01F15/06; G01K1/02; G01R11/00	MINJIE YANG	Multiuser operation display for solar water heater
CN102734955 A 20121017	CN20111091562 20110413	F24J2/46; F24J2/32	BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD	Multi-stage all-glass heat tube type vacuum solar heat collector tube
CN102734956 A 20121017	CN20121214392 20120626	F24J2/46; F24J2/48	SICHUAN ZHONGKE BAIBO SOLAR ENERGY TECHNOLOGY CO LTD	Solar medium and high- temperature selective heat absorption coating
CN102734957 A 20121017	CN20121215910 20120628	F24J2/46	JIANGSU JIAHAO SOLAR ENERGY TECHNOLOGY CO LTD	Electric heating anti-drop device for solar water heater
CN102734958 A 20121017	CN20121215931 20120628	F24J2/46	JIANGSU JIAHAO SOLAR ENERGY TECHNOLOGY CO	Split type solar water heater inlet- outlet water pipe

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			LTD	
CN102734959 A 20121017	CN20121222392 20120629	F24J2/46; F24J2/40	SMITH A O CHINA WATER HEATER	Automatic water-filling and pressure-bearing solar water heater and water-filling control method thereof
CN102734960 A 20121017	CN20121254028 20120723	F24J2/46	LINYI RUIGUANG NEW ENERGY TECHNOLOGY CO LTD	Device for filling super heat transfer and conduction medium into solar heat collection pipe
CN102734961 A 20121017	CN20121214296 20120626	F24J2/48; B32B9/04; C23C14/14; C23C14/35	SICHUAN ZHONGKE BAIBO SOLAR ENERGY TECHNOLOGY CO LTD	Solar medium-temperature and high-temperature selective absorption coating layer
CN102734962 A 20121017	CN20121214527 20120626	F24J2/48; B32B9/04; B32B15/04	SICHUAN ZHONGKE BAIBO SOLAR ENERGY TECHNOLOGY CO LTD	High-stability solar selective heat absorption coating layer
CN102734963 A 20121017	CN20121219512 20120629	F24J2/48; B32B9/04	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Trench type solar high temperature absorbing coating
CN102734964 A 20121017	CN20121220464 20120629	F24J2/48	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Trough-type solar medium- temperature and high- temperature collector tube
CN102734965 A 20121017	CN20121220496 20120629	F24J2/48; B32B9/04; C23C14/06; C23C14/35	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Coating of medium-high- temperature solar heat collecting pipe
CN102734966 A 20121017	CN20121220499 20120629	F24J2/48; B32B9/04; B32B15/04	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Tank type solar intermediate temperature selective absorption coating
CN102734967 A 20121017	CN20121214579 20120627	F24J2/52	WUJIANG KWK MACHINERY CO LTD	Solar bottom bracket
CN102738905 A 20121017	TW20120105018 20120216	H02J15/00; F03D9/02; F24J2/00; H02N6/00	CHUNGHWA TELECOM	Energy storage and supply system integrating natural energy

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CN102741622 A 20121017	WO2011IL00104 20110130; US20100299961P 20100130	F24J2/24	HELIOFOCUS LTD	Tubular solar receivers and systems using the same
CN102742032 A 20121017	WO2010US36607 20100528; US20090181899P 20090528	H01L31/058	GMZ ENERGY INC [US]	Thermoelectric system and method of operating same
CN102744027 A 20121024	CN20121256968 20120724	B01J19/12; F24J2/20; F24J2/32; F24J2/46	UNIV NANJING	Solar high-temperature thermochemical coupling phase-change reactor
CN102745322 A 20121024	US20070900549P 20070208; US20070920957P 20070330; US20070788785 20070419; US20070821315 20070622; US20070848986 20070831	B63H9/06; F24J2/00	BARUH BRADFORD G	Retractable solar panel supporting system
CN102747845 A 20121024	CN20121195895 20120614	E04H1/12; A47K3/28; F24J2/04; F24J2/46	SHENZHEN INST OF BUILDING RES CO LTD	Movable solar shower system
CN102747933 A 20121024	CN20121252091 20120719	E06B3/67; F24J2/00; F25B30/06	DONGGUAN XINSHIDAI NEW ENERGY TECHNOLOGY CO LTD	Energy-saving window with solar energy and air energy
CN102748253 A 20121024	CN20121213977 20120627	F03G6/06; F01D15/08; F24J2/24; F24J2/48	NANJING PROTON SCIENCE & TECHNOLOGY ENGINEERING CO LTD	Solar high-efficiency power generation system
CN102748797 A 20121024	KR20110035822 20110418	F24D15/02; H02N6/00	CHYUAN WANG TZENG	House heating and electricity generation apparatus using solar energy

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CN102748826 A 20121024	CN20121263184 20120727	F24F5/00; F24F11/02; F24J2/00; F24J2/34	SHANDONG WEITE LABOUR ENVIRONMENT CO LTD	Solar air conditioning system
CN102748862 A 20121024	CN20121212920 20120627	F24H9/00; F24J2/46	NANJING PROTON SCIENCE & TECHNOLOGY ENGINEERING CO LTD	Constant-pressure water tank
CN102748869 A 20121024	CN20121213975 20120627	F24J2/00; F24J2/52; H02N6/00	NANJING PROTON SCIENCE & TECHNOLOGY ENGINEERING CO LTD	Comprehensive utilization system of solar
CN102748870 A 20121024	CN20121259226 20120725	F24J2/00; F24J2/24	KUNSHAN SHENGGUANG NEW ENERGY TECHNOLOGY CO LTD	Solar water heater suitable for low-sunshine area
CN102748871 A 20121024	CN20121263164 20120727	F24J2/00; F24J2/40	SHANDONG WEITE LABOUR ENVIRONMENT CO LTD	Solar hot water system
CN102748872 A 20121024	CN20121259221 20120725	F24J2/04; F24J2/46; F24J2/51	KUNSHAN SHENGGUANG NEW ENERGY TECHNOLOGY CO LTD	Solar water heater
CN102748873 A 20121024	CN20111111597 20110419	F24J2/05; F24J2/46	HUHHOT BRANCH OF CHINESE ACADEMY OF AGRICULTURAL MECHANIZATION SCIENCES; NAT ENGINEERING RES CT FOR GRASSLAND LIVETOCK EQUIPMENT	Vacuum-tube type solar air collector
CN102748874 A 20121024	CN20121255753 20120723	F24J2/05; F24J2/34; F24J2/46	SHOUCHUN YUAN	Integrated solar water heater
CN102748875 A 20121024	CN20121247978 20120717	F24J2/10	FUJIAN ELECTRIC POWER SUPPLY COMPANY ELECTRIC POWER RES INST	Bridge type large-capacity high- concentrating-ratio composite Fresnel line concentrating and reflecting device
CN102748876 A 20121024	CN20121259264 20120725	F24J2/24; F24J2/46	KUNSHAN SHENGGUANG NEW ENERGY TECHNOLOGY CO LTD	Solar water heater with magnetization function
CN102748877 A 20121024	CN20121208748 20120625	F24J2/40; F24H9/20	SHAOMING FAN	Novel household water heater

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
CN102748878 A 20121024	CN20121261914 20120727	F24J2/40; F24J2/00	XU LIU	Solar energy preferential utilization linkage arrangement between a plurality of heat sources and solar system
CN102748879 A 20121024	CN20121275421 20120803	F24J2/40	HEFEI HENGNUAN ELECTRICAL APPLIANCE EQUIPMENT CO LTD	Three-in-one pressurizing method of feeding water, discharging water and tap water of solar water heater
CN102748880 A 20121024	CN20111102382 20110422	F24J2/46; F24J2/04; F24J2/50	HANGZHOU SANHUA INST CO LTD	Heat absorber and heat collecting system with same
CN102748881 A 20121024	CN20121169281 20120528	F24J2/46; H02N6/00	WUXI XUNENG PHOTO THERMAL ELECTRIC ENERGY CO LTD	Inner condensation thermovoltaic vacuum tube
CN102748882 A 20121024	CN20121218939 20120629	F24J2/46	SHUILIAN HE	Solar water heater capable of automatically filling water
CN102748883 A 20121024	CN20121239869 20120712	F24J2/46	ZHEJIANG YUDI NEW ENERGY CO LTD	Double-vacuum superconducting pipe
CN102748884 A 20121024	CN20121241795 20120713	F24J2/46; B23P15/26	SICHUAN CHUANNENG AGRICULTURAL DEV CO LTD	Manufacturing process for heat preservation water tank of heat collector with high stability
CN102748885 A 20121024	CN20121241817 20120713	F24J2/46; C03C27/00; F24J2/48	SICHUAN CHUANNENG AGRICULTURAL DEV CO LTD	Manufacturing process of stainless steel aluminum nitride double-layer ceramic coated whole glass evacuated collector tube
CN102748886 A 20121024	CN20121264019 20120727	F24J2/46	JINAN FENGYUAN PLASTIC CO LTD	Heat preservation water tank liner bracket of solar water heater
CN102748887 A 20121024	CN20121241885 20120713	F24J2/52; B05D1/06; C23C22/08; C23G1/08	SICHUAN CHUANNENG AGRICULTURAL DEV CO LTD	Manufacturing process of novel solar water heater bracket
CN102748974 A 20121024	CN20111100199 20110421	F28D20/00; C09K5/14; F24J2/34; F24J2/50	BEIJING POWERTECH CO LTD	Solid heat storage structure and processing method
CN102748975 A 20121024	CN20111097148 20110418	F28D20/02; F24J2/34	BEIJING POWERTECH CO LTD	Phase change heat exchange device

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CN102751365 A 20121024	CN20121257067 20120723	H01L31/052; F24J2/46; H01L31/048; H01L31/058	UNIV BEIJING TECHNOLOGY	Gas-cooling and heat-utilizing device of concentrating solar system
CN102757071 A 20121031	CN20111103382 20110425	C01D3/04; C13B25/00; C13B30/00; F24J2/24	SHANJUN SUN	Light-energy vacuum salt production technology
CN102758702 A 20121031	CN20121261424 20120726	F02G1/053; F24J2/46	XIANGTAN ELECTRIC MFG CO LTD [CN]	Device and method for protecting solar Stirling engine heat absorber
CN102758746 A 20121031	CN20121221590 20120630	F03G6/06; F01D15/10; F22D1/00; F24J2/04	UNIV NORTH CHINA ELEC POWER	Coupled power generating system using solar thermal collector assisted coal-fired unit
CN102758942 A 20121031	CN20121264036 20120727	F16K17/164; F24J2/46	JINAN FENGYUAN PLASTIC CO LTD	Pressure regulating valve of water tank of solar water heater
CN102759155 A 20121031	CN20111106232 20110427	F24F5/00; F24D15/00; F24F7/04; F24F13/20; F24J2/00	ZHILONG HU	Solar wall body air conditioner and indoor air adjusting method thereof
CN102759199 A 20121031	CN20121269386 20120731	F24J2/00; F22B1/00	HARBIN STEAM TURBINE FACTORY AUX Y MACHINERY ENGINEERING CO LTD	Coiler heat-exchange evaporation system for trough-type solar photothermal power generation
CN102759200 A 20121031	CN20121200215 20120618	F24J2/04; F24J2/40; H02N6/00	UNIV SHANGHAI DIANJI	Solar power generating and water heating integrative machine
CN102759201 A 20121031	CN20121283683 20120810	F24J2/04; F24J2/46	SHANTONG HUANG	Solar water heater containing cold water tank and hot water tank
CN102759202 A 20121031	CN20121284123 20120811	F24J2/04; F24J2/46	BINZHOU ARMOUR FORCE SOLAR TECHNOLOGY CO LTD	Novel direct-inserting type balcony wall-mounted solar water heater
CN102759203 A 20121031	CN20121261493 20120726	F24J2/14; F24J2/20; F24J2/46; F24J2/52; G02B7/182; G02B19/00	UNIV SHAANXI SCIENCE & TECH	Light-concentrating type flat solar water boiler and manufacturing process of light concentrating mirror thereof

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CN102759204 A 20121031	CN20121139966 20120508	F24J2/24; F24J2/46	HONGSHENG YAN	Solar water heater with through type vacuum tube with double openings
CN102759205 A 20121031	CN20121127188 20120427; CN20121258805 20120717	F24J2/24; H02J7/00	KEXING HUANG	Solar power generation intelligent water heater
CN102759206 A 20121031	CN20121284124 20120811	F24J2/24; F24J2/34; F24J2/40	BINZHOU ARMOUR FORCE SOLAR TECHNOLOGY CO LTD	Automatic supplying system of solar-heated drinking water
CN102759207 A 20121031	CN20111106162 20110427	F24J2/32; F24J2/50	KUNMING DONGYUAN REFRIGERATION ENGINEERING CO LTD	Rib plate helical circular pipe gravity heat pipe solar water heater
CN102759208 A 20121031	CN20111103466 20110425	F24J2/40	YANXIA LIN	Novel water yield control device of solar water heater
CN102759209 A 20121031	CN20111113508 20110427	F24J2/46; F16K13/00; F16K31/122; F16K31/126	FULAI YAO	Automatic water feeding valve of solar water heater
CN102759210 A 20121031	CN20111113509 20110427	F24J2/46	FULAI YAO	Automatic water feeding device of solar water heater
CN102767306 A 20121107	CN20111116110 20110506	E04H14/00; E04B1/74; E04B1/76; E04B7/02; E04D13/16; E04D13/18; E06B5/16; F03B13/00; F03D9/00; F24J2/00	XINGUANG LIU	Energy-saving and water-saving building
CN102767907 A 20121107	CN20111126749 20110504	F24J2/00; F24J2/46	DEMING HU	Mobile solar water heater
CN102767908 A 20121107	CN20121289426 20120814	F24J2/00; F24D15/00; F24J2/40; F24J2/46	QINGDAO DARUN MACHINERY CO LTD	Domestic water circulating system

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CN102767909 A 20121107	CN20121239867 20120712	F24J2/05; F24J2/12; F24J2/24; F24J2/34; F24J2/40	ZHEJIANG YOUNN NEW ENERGY CO LTD	Multistage solar water heating system
CN102767910 A 20121107	CN20121250476 20120719	F24J2/05; E04D13/18; F24J2/24; F24J2/46; F24J2/51	JIALIN BAO	Single-loop internal circulating solar heat collecting member and device
CN102767911 A 20121107	CN20121279118 20120726	F24J2/05; F24J2/24	HUAYANG YU	Curved tube type solar thermal collector
CN102767912 A 20121107	CN2012126331 20120207	F24J2/06; F24J2/34; F24J2/54	SHANDONG QIXING IRON TOWER CO LTD	Novel solar heat energy collection device
CN102767913 A 20121107	CN20111116047 20110505; CN20121135848 20120503	F24J2/06; F24J2/34; F24J2/40	KANG XUEHUI	Linear solar light collector and heat transfer method of linear solar light collector
CN102767914 A 20121107	CN20121239253 20120711	F24J2/08; F24J2/34; F24J2/46	SHIFANG LI	Solar water heater
CN102767915 A 20121107	CN20121284183 20120812	F24J2/08	QINGHAI LIU	Sunlight water boiler
CN102767916 A 20121107	CN20121292018 20120816	F24J2/10; F24J2/24; F24J2/30	HARBIN GOODTIME ELECTRONICS CO LTD	Solar heat conducting device
CN102767917 A 20121107	CN20111111881 20110503	F24J2/32; F24J2/46	HEBEI HUAMING CHANGTAI SOLAR ENERGY CO LTD	Solar thermal collector core with horizontal gravity assisted heat pipes
CN102767918 A 20121107	CN20121215540 20120627	F24J2/46	GUANGZHOU YUEHAI VACUUM TECHNOLOGY CO LTD; UNIV SUN YAT SEN	Vacuum and inflation insulation heat-collecting pipe
CN102767938 A 20121107	CN20121105136 20120405	F26B11/04; F24J2/24; F24J2/48; F26B21/00; F26B25/16	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Rolling coiler solar dryer
CN102769410 A 20121107	CN20121262958 20110406	H02N6/00; F24J2/10; F24J2/30; G02B19/00	CHANGZHOU FOCUS ON NEW ENERGY TECHNOLOGY CO LTD	Solar power generation and heat collection system

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CN102775944 A 20121114	CN2011133120 20110130	C09J153/02; C09J11/06; C09J123/00; C09J123/16; C09J127/06; C09J127/12; C09J147/00; C09J167/00; C09J175/04; C09J177/00; C09J183/04; F24J2/46; H01L31/048; H01L31/18	SUZHOU SHANGSHAN NEW MATERIAL TECHNOLOGY CO LTD	Sealing joint strip and application method thereof
CN102777307 A 20121114	US201113105288 20110511	F02N19/10	GM GLOBAL TECH OPERATIONS INC [US]	System and method for solar- powered engine thermal management
CN102777968 A 20121114	CN20121289388 20120815	F24D15/02; F24J2/24	RUNQIU YU	Energy consumption-free warming device
CN102778038 A 20121114	CN20121298301 20120821	F24H9/00; F24J2/46	SHANDONG HAOGUO INDUSTRY TRADE CO LTD	Inner container of water heater
CN102778044 A 20121114	CN20111120611 20110511; CN2012196654 20120405	F24J2/00; F24J2/24; F24J2/34	TAIQING HUANG	Heating device for gathering electromagnetic wave energy
CN102778045 A 20121114	CN20121274295 20120726	F24J2/00; F03D9/00	LINGSONG MENG	Vacuum solar brick air duct well power station, refueling station and other multifunctional equipment
CN102778046 A 20121114	CN20121292146 20120817	F24J2/02	RUNQIU YU	Energy-consumption-free cooking device
CN102778047 A 20121114	CN20111117982 20110509	F24J2/10; F24J2/34; F24J2/46; G02B1/10; G02B5/10; G02B19/00	MAOJIE OPTOELECTRONIC CO LTD	Array optical off-axis focused solar energy collecting device

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CN102778048 A 20121114	CN20121275465 20120806	F24J2/14; F24J2/24; F24J2/30; H02J7/00	QIZHOU TANG	Power generation water supply heating cooling refrigeration method
CN102778049 A 20121114	CN20121130280 20120421	F24J2/24; C01D3/06; F24J2/46	RUQING CHEN	Solar water heater capable of manufacturing salt
CN102778050 A 20121114	CN20111121654 20110512	F24J2/46; F24J2/50	QI DING	Vacuum tube with inner heat-absorbing tube and inner lighting coating
CN102778051 A 20121114	CN20111121931 20110512	F24J2/46	XIAOLIANG SONG	Motor-separable range hood
CN102778052 A 20121114	CN20121213945 20120627	F24J2/46	NANJING PROTON SCIENCE & TECHNOLOGY ENGINEERING CO LTD	Double-valve water tank
CN102778053 A 20121114	CN20121236927 20120710	F24J2/46	SUZHOU PUBLICIZE ENERGY TECHNOLOGY CO LTD	Solar heat collector
CN102778054 A 20121114	CN20121250783 20120716	F24J2/46	TONGQIANG LI	Solar collector tube with double inner glass tubes
CN102778055 A 20121114	CN20121250785 20120716	F24J2/46	BAOGEN WANG	Solar collector tube with U-shaped inner tube
CN102778056 A 20121114	CN20121250992 20120716	F24J2/46; F24J2/48	BAOGEN WANG	Solar heat collecting tube with double concentric inner tubes
CN102778057 A 20121114	CN20121250994 20120716	F24J2/46; F24J2/48	BAOGEN WANG	Solar collector tube with concentric metal double inner tube
CN102778058 A 20121114	CN20121250997 20120716	F24J2/46; F24J2/48	BAOGEN WANG	Solar heat collecting tube with metal U-shaped inner tube
CN102778059 A 20121114	CN20121251011 20120716	F24J2/46; F24J2/48	BAOGEN WANG	Solar collector tube with inner metal tube
CN102778060 A 20121114	CN20121251013 20120716	F24J2/46	BAOGEN WANG	Solar collector tube with flange rings and inner stainless steel tube
CN102778061 A 20121114	CN20121251018 20120716	F24J2/46	BAOGEN WANG	Thermal collector tube with inner stainless steel tube

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CN102778062 A 20121114	CN20121251019 20120716	F24J2/46; F24J2/48	BAOGEN WANG	High-frequency heating thermal collector tube
CN102778063 A 20121114	CN20121253431 20120720	F24J2/46; C02F1/08	YINXUAN CHEN	Solar collecting fin combination for heat collecting disc
CN102778064 A 20121114	CN20121282364 20120809	F24J2/46; F24D19/00	XI AN BAITE NEW ENERGY ENGINEERING CO LTD	Solar heating double-chamber heat exchange water tank
CN102778065 A 20121114	CN20121219530 20120629	F24J2/48; B32B15/01	SUZHOU JIAYAN ENERGY EQUIPMENT CO LTD	Trough type solar corrosion-resisting protective coating
CN102778066 A 20121114	CN20111122866 20110513	F24J2/50; F24J2/20; F24J2/48	QI DING	Anticorrosion lighting internal coating of flat-plate solar collector
CN102778071 A 20121114	JP20110108402 20110513	F25B15/02; F22B1/00; F24J2/06; F25B27/00; F25B41/04; F25B49/04	HITACHI APPLIANCES INC	Sunlight head utilized steam absorption chiller and sunlight heat utilization system
CN102779884 A 20121114	US20070650739 20070108	H01L31/052; F24J2/18; G02B7/198; H01L31/058	EDTEK INC	Conversion of solar energy to electrical and/or heat energy
CN102779885 A 20121114	CN20121224815 20120702	H01L31/052; F24J2/46; H01L31/058	UNIV XI AN JIAOTONG	Solar energy concentrating frequency dividing photovoltaic photo-thermal cogeneration device
CN102787700 A 20121121	CN20111127524 20110517	E04D13/18; E04D13/16; F24J2/00; H01L31/048; H01L31/052; H02N6/00	SHANGHAI TIANQI NEW ENERGY TECHNOLOGY CO LTD	Sunshine tile
CN102788417 A 20121121	CN20111129140 20110518	F24H1/22; F24H9/20; F24J2/04	CHANGDE LINHONG BOILER CO LTD	Triune automatic hot water supply system
CN102788431 A 20121121	CN20121305210 20120824	F24J2/06; F24J2/46; H02N6/00	DALIAN GREAT OCEAN NEW ENERGY DEV CO LTD	Shutter-type lens curtain baffle system of solar butterfly condenser system

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CN102788432 A 20121121	CN20121314099 20120830	F24J2/10; F24J2/24; F24J2/46	HAO LV	Novel solar thermal collector
CN102788433 A 20121121	CN20121244408 20120716	F24J2/24; F24J2/30	JIANGSU PRODUCT QUALITY SUPERVISION TESTING RES INST; JIONGDA LU	Solar heat collector and water heater
CN102788434 A 20121121	CN20121279580 20120807	F24J2/38	INST ELECTRICAL ENG CAS	Tracking driving mechanism of heliostat
CN102788435 A 20121121	CN20111138028 20110518	F24J2/40	DANDAN ZHANG	Novel solar water heater
CN102788436 A 20121121	CN20121291986 20120816	F24J2/40	QINGHAI TIANPU SOLAR ENERGY CO LTD	Solar photovoltaic and photo- thermal integrated utilization system for small accumulation area
CN102788437 A 20121121	CN20121326887 20120906	F24J2/40	DONGGUAN RUIKE ELECTRONIC TECHNOLOGY CO LTD	Monitoring control system of solar water heater
CN102788438 A 20121121	CN20111141614 20110518	F24J2/46; F24J2/48; F24J2/50	SHENGDONG ZHANG	Super heat absorbing plate
CN102788439 A 20121121	CN20121244383 20120716	F24J2/46	JIANGSU PRODUCT QUALITY SUPERVISION TESTING RES INST; JIONGDA LU	Water tank for double-capacity water heater
CN102788440 A 20121121	CN20121305369 20120827	F24J2/46	JINBIAO LI	Automatic closing device of solar water heater for filling water
CN102788441 A 20121121	CN20121313860 20120830	F24J2/46	ANHUI DUODA WANJING NEW ENERGY CO LTD	Thermal absorbing fin for solar thermal collector
CN102788442 A 20121121	CN20121313871 20120830	F24J2/46	ANHUI DUODA WANJING NEW ENERGY CO LTD	Water storage tank of solar water heater
CN102788443 A 20121121	CN20121279308 20120807	F24J2/52	INST ELECTRICAL ENG CAS	Support arm for reflector of paraboloid trough condenser
CN102790102 A 20121121	CN20111127907 20110517	H01L31/042; E04D13/18; H01L31/048; H01L31/052	SHANGHAI TIANQI NEW ENERGY TECHNOLOGY CO LTD	Photoelectric conversion assembly

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CN102790104 A 20121121	CN20121286616 20120813	H01L31/042; F24J2/06; F24J2/38; F24J2/46	XI GUO	Linked tracking light-collecting device
CN102790115 A 20121121	CN20111128122 20110517	H01L31/058; E04D13/18; H01L31/042	SHANGHAI TIANQI NEW ENERGY TECHNOLOGY CO LTD	Photoelectric photothermal conversion assembly and photoelectric photothermal module group formed by same
CN102790554 A 20121121	CN20111130616 20110518	H02N6/00; F21V8/00; F24J2/46	ZHENCAI LONG	Solar light storage device
CN102792020 A 20121121	WO2009US60562 20091013; US20080104915P 20081013	F03G6/06	INFINIA CORP	Stirling engine systems, apparatus and methods
CN102792103 A 20121121	WO2011GB50101 20110121; GB20100001012 20100122	F24J2/08; F24J2/54	CARDING SPEC CANADA [CA]	Solar energy collection apparatus
CN102792104 A 20121121	WO2009US53054 20090806; US20080086618P 20080806	F24J2/24; H01L31/058	MARYLAND BRUSH COMPANY	Solar energy conversion
CN102795693 A 20121128	CN20121277106 20120806	C02F1/44; F01K25/10; F03G6/06; F24J2/34	UNIV XI AN JIAOTONG	Solar energy and wind energy jointly driven sea water desalination system based on LNG (Liquefied Natural Gas) cold energy utilization
CN102795788 A 20121128	CN20121292073 20120816	C03C17/23; F24J2/46	UNIV DALIAN JIAOTONG	Preparation method of SiO ₂ film and its application
CN102797325 A 20121128	CN20121263632 20120728	E04F11/18; F24J2/00; F24J2/52	JIANGSU GUANGMANG NEW ENERGY CO LTD	Integrated balcony
CN102797651 A 20121128	CN20121310225 20120828	F03G6/06; F24J2/34	GUANGWU LI	Energy-storage peak-and-valley-regulating all-weather solar-energy-balanced power generation device

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CN102797887 A 20121128	CN20111147319 20110522	F16K21/16; F24J2/46	MAOSHENG LI	Automatic tap water closing valve
CN102797935 A 20121128	CN20121309162 20120827	F16L51/02; F16L23/02; F24J2/46	HIMIN SOLAR CO LTD	Connecting device for solar groove type thermal power generation vacuum tube
CN102798173 A 20121128	CN20111137822 20110526	F24D15/04; F24D19/10; F24J2/04; F24J2/46	GUANGDONG VANWARD NEW ELECTRIC	Heating device combining solar energy, heat pump and gas water heater
CN102798174 A 20121128	CN20111137825 20110526	F24D15/04; F24D19/10; F24J2/04; F24J2/46	GUANGDONG VANWARD NEW ELECTRIC	Solar energy, heat pump and gas wall hanging stove combined heat supply device
CN102798223 A 20121128	CN20121312058 20120829	F24J2/00	ZHONGXIAN WANG	Method for producing solar water heaters
CN102798224 A 20121128	CN20121333847 20120911	F24J2/00; F24J2/04; F24J2/40	DEYUAN WANG	Solar energy and air source heat pump linkage hot water system and control method thereof
CN102798225 A 20121128	CN20121253890 20120723	F24J2/02; F24J2/48; F24J2/52	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Portable type solar cooker
CN102798226 A 20121128	CN20121208825 20120611	F24J2/04; F24J2/46; F24J2/48	XIANQIANG LI	Flat-box type solar water heater
CN102798227 A 20121128	CN20121254513 20120723	F24J2/04	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Solar energy water heating device for residential building
CN102798228 A 20121128	CN20121254066 20120723	F24J2/05; F24J2/24; F24J2/46	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Incrustation-scale-proof solar water heater
CN102798229 A 20121128	CN20121255057 20120723	F24J2/05; F24J2/08; F24J2/12; F24J2/24; F24J2/46	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Solar water heater provided with energy gathering device
CN102798230 A 20121128	CN20121288325 20120814	F24J2/12; F24J2/52	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Novel CPC secondary reflection device and fixing device thereof

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CN102798231 A 20121128	CN20121288604 20120814	F24J2/12; F24J2/52	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Novel solar secondary reflecting surface and supporting device thereof
CN102798232 A 20121128	CN20121320206 20120903	F24J2/30; F24J2/46	CHUANLING SUN	Split-type pressure-bearing solar water heating system
CN102798233 A 20121128	CN20121320209 20120903	F24J2/30; F24J2/46	CHUANLING SUN	Double-pressure-bearing solar water heater
CN102798234 A 20121128	CN20121255008 20120723	F24J2/40	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Solar water heater provided with water level sensor
CN102798235 A 20121128	CN20111150034 20110525	F24J2/46; F24J2/50	DANDAN ZHANG	Structure of solar thermal collecting pipe
CN102798236 A 20121128	CN20121211805 20120615	F24J2/46	XIANQIANG LI	Solar temperature-control water switch
CN102798237 A 20121128	CN20121254852 20120723	F24J2/46	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Solar water heater with manual emptying device
CN102798238 A 20121128	CN20121255040 20120723	F24J2/46; F24J2/40	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Solar water heater provided with automatic emptier
CN102798239 A 20121128	CN20121295667 20120817	F24J2/46	CHINESE ACAD PHYSICS INST	Water scale prevention device for solar water heater
CN102798240 A 20121128	CN20121295669 20120817	F24J2/46	CHINESE ACAD PHYSICS INST	Water scale prevention device for solar water heater
CN102798241 A 20121128	CN20121260996 20120831	F24J2/48; C23C14/35; C23C26/00; C23C28/00	SHANDONG LINUO SOLAR THERMAL GROUP CO LTD; UNIV TSINGHUA	Solar selective absorption coating and preparation technology thereof
CN102798242 A 20121128	CN20121253859 20120723	F24J2/52; H01L31/042	TAIZHOU HUAYUAN HEAT SUPPLY ENGINEERING CO LTD	Reflection type solar support
CN102798250 A 20121128	CN20121314850 20120830	F25B29/00; F24J2/00; F24J2/04; F25B27/00;	UNIV NORTH CHINA ELEC POWER	Double-heat-source trans-critical carbon-dioxide multifunctional heat-pump system

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		F25B41/04		
CN102798967 A 20121128	CN20121234590 20120709	G02B19/00; F24J2/06; F24J2/46	SHUMING ZHAO	CDC non-tracking solar compound concentrator and array thereof
CN102798968 A 20121128	CN20121279290 20120807	G02B19/00; F24J2/12; G02B7/182	USTC UNIV SCIENCE TECH CN	Sectional type groove type solar energy condenser
CN102798970 A 20121128	CN20121308057 20120828	G02B19/00; F24J2/10; G02B5/10	YAN LIN	Reflector condenser free of sun tracking
CN102799189 A 20121128	CN20121306130 20120825	G05D3/00; F24J2/38	SUZHOU JINSHAN SOLAR ENERGY TECHNOLOGY CO LTD	Linkage-type single-shaft solar tracker system and rotation driving mechanism thereof
CN102801364 A 20121128	CN20111137272 20110525	H02N6/00; F24J2/00	DAHONG CHEN	Molecular energy catching device
CN102801367 A 20121128	CN20121297153 20120821	H02N6/00; F03G6/06; F24J2/05; F24J2/34; H02J9/06	ZHIPING FAN; XIAOFEI WANG; YONGGANG XIAO	Solar electric power generation device
CN102803861 A 20121128	WO2011JP53505 20110218; JP20100034882 20100219	F24J2/10; G02B5/10; G02B7/182	KOBE STEEL LTD [JP]	Concave reflecting mirror for heliostat, and method for manufacturing the concave reflecting mirror
CN102803863 A 20121128	WO2010ES00155 20100413; ES20090001188 20090511	F24J2/54	SOLTEC EN RENOVABLES SL [ES]	Single-axis solar tracker and solar power installation
CN202297191U U 20120704	CN20112384578U 20111011	C02F1/14; F24J2/05; F24J2/24; F24J2/40; F24J2/46	UNIV SHANDONG; SHANDONG SHANDONG UNIVERSITY ENERGY ENVIRONMENT CO LTD	Natural condensation type solar pure water production and water heating device
CN202299203U U 20120704	CN20112373336U 20110928	E04F11/18; F24J2/00	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Solar guardrail of balcony

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CN202300098U U 20120704	CN20112322892U 20110831	E06B7/28; E06B3/30; F24J2/34; H02N6/00	SOLARRICH APPLIED ENERGY & TECHNOLOGY CO LTD	Solar power generation and heat recovery/insulation indoor building energy saving system
CN202300882U U 20120704	CN20112430468U 20111103	F03G6/06; F03D9/00; F22B1/06; F24J2/34; F28D20/02	JIANCHENG ZHANG	Solar energy and wind energy complementary energy storage thermal power generation device
CN202302094U U 20120704	CN20112511983U 20111209	F16K11/074; F24J2/46	XUEJIAO MA	Multifunctional valve
CN202302561U U 20120704	CN20112344057U 20110908	F16L59/02; F24H9/00; F24J2/51	ANHUI ANLAN MOLD CO LTD	Thermal-insulation heat- preservation material
CN202303305U U 20120704	CN20112427840U 20111102	F22B1/00; F24J2/05; F24J2/12; F24J2/24	LUOYANG WEIQI SOLAR ENERGY TECHNOLOGY CO LTD	Solar photo-thermal conversion steam device
CN202303651U U 20120704	CN20112335532U 20110908	F24D17/02; F24D19/10; F24J2/04	CHANGSHA MINLI ENERGY SAVING TEACHNOLOGY CO LTD	Movable heat pump central hot water station with on-vehicle solar water heater system equipment
CN202303732U U 20120704	CN20112410493U 20111025	F24F5/00; F02B63/06; F24J2/24; F24J2/48; F25B41/04	SHANGHAI GENERAL MOTORS CO LTD; PAN ASIA TECH AUTOMOTIVE CT CO	Vehicle air conditioning system- based direct-expansion type solar heating system
CN202303913U U 20120704	CN20112384823U 20111008	F24H9/00; F24J2/46	DONGGUAN CITY LUCKINGSTAR AIR CONDITIONING EQUIPMENT CO LTD	Energy-saving high-temperature pressure-bearing water tank
CN202303959U U 20120704	CN20112375757U 20110928	F24J2/00; F24J2/32; H02N11/00	YUGUANG OU	Integrated energy supply system capable of comprehensively utilizing solar energy and air energy
CN202303960U U 20120704	CN20112400983U 20111020	F24J2/00; F24J2/46; H02N11/00	NANTONG TEXTILE VOCATIONAL TECHNOLOGY COLLEGE	Self-generating high-efficiency water heater

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CN202303961U U 20120704	CN20112438167U 20111108	F24J2/00; F24J2/46	BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; HENAN HUASHUN SUNSHINE NEW ENERGY CO LTD	Wall-mounted split water pressure bearing system of glass heat pipe heat collector
CN202303962U U 20120704	CN20112443267U 20111110	F24J2/00; F24J2/40	SHANDONG LINUO PARADIGMA CO	Solar water heater
CN202303963U U 20120704	CN20112351135U 20110919	F24J2/02; F24J2/12; F24J2/34; F24J2/38	CHENGXIANG JIANG	Energy-storage type multifunctional solar cooker
CN202303964U U 20120704	CN20112215921U 20110623	F24J2/04; F24J2/30; F24J2/46; F24J2/50	XUEZHONG ZHOU	Vacuum flat-plate solar heat collector
CN202303965U U 20120704	CN20112410491U 20111025	F24J2/04; E04D13/16; E04D13/18; F24J2/46; F24J2/51	BEYOND PV CO LTD [TW]	Solar power device
CN202303966U U 20120704	CN20112442920U 20111110	F24J2/04; F24J2/34; F24J2/46; F24J2/48; F24J2/51	LUOYANG WEIQI SOLAR ENERGY TECHNOLOGY CO LTD	Flat plate type solar water heater
CN202303967U U 20120704	CN20112242047U 20110711	F24J2/05; F24J2/24	YOULIN LI	Double-vacuum two-end-communicated glass pipe solar fast water heater
CN202303968U U 20120704	CN20112325911U 20110901	F24J2/05; F24J2/24; F24J2/46; F24J2/48	SHAO SUYING	Solar water heater
CN202303969U U 20120704	CN20112335654U 20110908	F24J2/05; F24J2/06; F24J2/24; F24J2/51	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Solar flat plate heat collector
CN202303970U U 20120704	CN20112383673U 20111011	F24J2/05; F24J2/24; F24J2/46	HEFEI MEILING SOLAR ENERGY TECHNOLOGY CO LTD	Heating box type solar water heater
CN202303971U U 20120704	CN20112410103U 20111025	F24J2/05; E06B3/67; E06B7/28; F24J2/32; F24J2/46	XUEDONG MAO	Window frame type solar heat utilization device with sandwiched coordination of multilayer hollow glass and heat pipes

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CN202303972U U 20120704	CN20112415695U 20111027	F24J2/05; F24J2/30; F24J2/48; F24J2/51	LUOYANG WEIQI SOLAR ENERGY TECHNOLOGY CO LTD	Water heating device using solar energy
CN202303973U U 20120704	CN20112418825U 20111028	F24J2/05; F24J2/20; F24J2/32; F24J2/46; F24J2/51	WEIGUO YAO	Frost-resistance flat-plate solar thermal collector
CN202303974U U 20120704	CN20112423921U 20111031	F24J2/05; F24J2/24; F24J2/40; F24J2/46; F24J2/51	TIANPU SOLAR ENERGY CO LTD	Novel modularized vacuum tube solar water heating system
CN202303975U U 20120704	CN20112425415U 20111101	F24J2/05; F24J2/24; F24J2/48	TIANJIN TIANHUAN PHOTOVOLTAIC SOLAR ENERGY CO LTD	Efficient flat-plate solar heat collector
CN202303976U U 20120704	CN20112425541U 20111101	F24J2/05; F24J2/10; F24J2/24; F24J2/38; F24J2/46; G02B19/00	XIANGDONG ZHAO	Solar water heater
CN202303977U U 20120704	CN20112429745U 20111101	F24J2/05; F24J2/46; F24J2/48; F24J2/51	JIANGUO SHI	High efficiency solar energy air heat collector
CN202303978U U 20120704	CN20112263617U 20110725	F24J2/08; F24J2/46	BEIJING HUASHUNDA ENVIRONMENTAL PROT CO LTD	Enhanced solar heat collecting device
CN202303979U U 20120704	CN20112340588U 20110913	F24J2/08; C02F1/14; F23G5/00; F23G7/00; F24J2/38; F24J2/40; F24J2/46	BEIJING LEITE TECHNOLOGY CO LTD	Multifunctional treatment equipment
CN202303980U U 20120704	CN20112280745U 20110803	F24J2/10; G02B5/18; G02B7/182	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Novel solar heat collecting field reflector
CN202303981U U 20120704	CN20112364162U 20110926	F24J2/20; F24J2/16; F24J2/46; F24J2/50	UNIV BEIJING; BEIJING GREEN SHANGDA TECHNOLOGY CO LTD	Flat-plate solar air collector
CN202303982U U 20120704	CN20112369609U 20110929	F24J2/20; F24J2/30; F24J2/46; F24J2/48	DARONG LU; SHANYI GAO	Solar water heater

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CN202303983U U 20120704	CN20112418830U 20111028	F24J2/20; F24J2/32; F24J2/46; F24J2/48	WEIGUO YAO	Superconductive heat pipe flat-plate solar collector
CN202303984U U 20120704	CN20112129109U 20110427	F24J2/24; F24J2/05; F24J2/10; F24J2/48; F24J2/50	CUBE ENERGY TECHNOLOGY SHANGHAI CO LTD E	Compact type solar receiver system
CN202303985U U 20120704	CN20112380258U 20110930	F24J2/24; F24J2/46	LIHUA RAO	Wall-mounted solar water heater
CN202303986U U 20120704	CN20112404554U 20111021	F24J2/24; F24J2/46	XIAOHUA WU	Solar water heater for balconies
CN202303987U U 20120704	CN20112407673U 20111024	F24J2/24; H02J7/00; H02N6/00	WEIFU XU	Solar water heater
CN202303988U U 20120704	CN20112444344U 20111110	F24J2/24; F24J2/30; F24J2/46	BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; HENAN HUASHUN SUNSHINE NEW ENERGY CO LTD	Solar thermal collector
CN202303989U U 20120704	CN20112446771U 20111031	F24J2/24; F24J2/46	GUOMEI LAN	Multipurpose water heater
CN202303990U U 20120704	CN20112366236U 20110927	F24J2/26	FUJIAN CONDENSING SOLAR ENERGY TECHNOLOGY CO LTD	All-weather, no-tracking, high efficiency solar heat collector
CN202303991U U 20120704	CN20112375346U 20110928	F24J2/30	ZUYI JIA	High efficiency coil pipe heat collector
CN202303992U U 20120704	CN20112384663U 20111012	F24J2/30; F24J2/40	HAOYU LIU	Heat-exchanging solar water heater
CN202303993U U 20120704	CN20112344494U 20110915	F24J2/32; F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Energy-accumulating solar thermal collector
CN202303994U U 20120704	CN20112364779U 20110927	F24J2/32	ZUYI JIA	Double-heat-pipe heat collector
CN202303995U U 20120704	CN20112374344U 20110930	F24J2/32; F24J2/51	LIANYUNGANG ZHONGWO SOLAR ENERGY TECHNOLOGY CO LTD	Heat tube type solar two-way heat supply device

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CN202303996U U 20120704	CN20112374600U 20110928	F24J2/40	YUNNAN DIANXIN ENERGY CO LTD	Energy saving controller for solar energy and heat pump combined heating system
CN202303997U U 20120704	CN20112380649U 20111010	F24J2/40; F24H9/20	JINAN HONGLI SOLAR ENERGY CO LTD	Sealing/opening switching controller for water tank of water heater
CN202303998U U 20120704	CN20112390651U 20111014	F24J2/40	YIYANG CHEN	Energy supply control device for solar water boiler
CN202303999U U 20120704	CN20112395435U 20111018	F24J2/40; F24J2/46	NANJING LVDUN ELECTRICAL EQUIPMENT CO LTD	Self-temperature-control domestic solar water heater
CN202304000U U 20120704	CN20112412743U 20111026	F24J2/40	HIMIN SOLAR CO LTD; SHANDONG ECOOSOLAR CO LTD	Liner Fresnel solar linear linkage tracking transmission control device
CN202304001U U 20120704	CN20112438619U 20111108	F24J2/40; F24J2/46	BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; HENAN HUASHUN SUNSHINE NEW ENERGY CO LTD	Time-of-use pressure-bearing solar water heating system
CN202304002U U 20120704	CN20112459345U 20111103	F24J2/40; F24J2/46	DATONG CHEN	Instant solar water heater
CN202304003U U 20120704	CN20112315183U 20110826	F24J2/46; F24J2/48	JIANGSU HUIHUANG SOLAR ENERGY JOINT STOCK CO LTD	Semi-enclosed anti-scale evacuated solar collector tube
CN202304004U U 20120704	CN20112328317U 20110903	F24J2/46; F24J2/40	SHIZHOU ZHANG	Solar energy automatic water feeder
CN202304005U U 20120704	CN20112344073U 20110914	F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Fixing part of heat exchange tube in flat plate heat collector
CN202304006U U 20120704	CN20112344075U 20110914	F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Heat conducting plate for flat plate heat collector

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CN202304007U U 20120704	CN20112344169U 20110914	F24J2/46; F24J2/48	ZHIYU LI; GENGHONG LI; QIANG LI	All-glass vacuum solar straight through heat collecting plate
CN202304008U U 20120704	CN20112344811U 20110915	F24J2/46	MINQI ZHU	Vacuum tube for water heater
CN202304009U U 20120704	CN20112362243U 20110926	F24J2/46; F24J2/48	LI JUN; YONGQING SUN	Solar inductive heat collection pipe
CN202304010U U 20120704	CN20112364781U 20110927	F24J2/46	ZUYI JIA	Pressure-bearing type solar heat collecting pipe
CN202304011U U 20120704	CN20112366148U 20110923	F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Novel medium evacuating device for medium in flow passage of solar heat-pipe collector
CN202304012U U 20120704	CN20112366990U 20110930	F24J2/46	YUXIANG ZHAO	Solar water heater model exhibition tube
CN202304013U U 20120704	CN20112371188U 20110928	F24J2/46	ZUYI JIA	Heat pipe solar thermal collector
CN202304014U U 20120704	CN20112371583U 20110928	F24J2/46	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	A fastening strip for a flat plate collector
CN202304015U U 20120704	CN20112373221U 20110930	F24J2/46; F24J2/32	LIANYUNGANG ZHONGWU SOLAR ENERGY TECHNOLOGY CO LTD	Heat pipe fin for solar water heater
CN202304016U U 20120704	CN20112373422U 20110928	F24J2/46	YUNNAN DIANXIN ENERGY CO LTD	Freeze-proofing device for solar water heater
CN202304017U U 20120704	CN20112375666U 20110928	F24J2/46	ZUYI JIA	Coil pipe heat collector
CN202304018U U 20120704	CN20112383676U 20111011	F24J2/46	HEFEI MEILING SOLAR ENERGY TECHNOLOGY CO LTD	Water tank of solar water heater
CN202304019U U 20120704	CN20112384829U 20111008	F24J2/46; F24D19/00; F24H9/00	DONGGUAN CITY LUCKINGSTAR AIR CONDITIONING EQUIPMENT CO LTD	Direct-heating circulating floor-heating triplex pressure bearing water tank
CN202304020U U 20120704	CN20112385844U 20110928	F24J2/46	MINGHE FAN	Water pipe defroster of single-open type solar water heater

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CN202304021U U 20120704	CN20112386477U 20111012	F24J2/46	YAN LI	Horizontal type solar hot water tank capable of avoiding mixing cold water and hot water
CN202304022U U 20120704	CN20112403342U 20111021	F24J2/46	SHANDONG XIAOYA GROUP HOUSEHOLD APPLIANCE CO LTD	Separated type solar inner container end socket
CN202304023U U 20120704	CN20112406844U 20111021	F24J2/46	MIDEA HOLDING CO LTD	Water tank provided with jacket heat exchanger
CN202304024U U 20120704	CN20112407299U 20111024	F24J2/46	ANHUI YUSHI TECHNOLOGY CO LTD	Auxiliary heating device for solar water heater
CN202304025U U 20120704	CN20112409164U 20111025	F24J2/46; F24J2/51	CHANGSHA BOILER PLANT CO LTD	Four-side light-accepting type thermal absorber single module
CN202304026U U 20120704	CN20112418810U 20111028	F24J2/46	WEIGUO YAO	Snakelike hyperbolic flow channel device of flat plate solar heat collector
CN202304027U U 20120704	CN20112418827U 20111028	F24J2/46	WEIGUO YAO	Heat absorber plate core device of flat-plate solar collector
CN202304028U U 20120704	CN20112419367U 20111029	F24J2/46; F24H9/00	FOSHAN IKE SCIENCE & TECHNOLOGY CO LTD	One-step extrusion molding polyvinyl chloride (PVC) heat insulation water tank
CN202304029U U 20120704	CN20112419998U 20111031	F24J2/46; F24J2/40	UNIV SHANDONG SCIENCE & TECH	Automatic water supply device
CN202304030U U 20120704	CN20112421990U 20111031	F24J2/46; F24J2/48	TAIZHOU APIRL SOLAR TECHNOLOGY CO LTD	Heat absorbing plate core of flat plate solar thermal collector
CN202304031U U 20120704	CN20112430294U 20111103	F24J2/46; F24J2/48	HANGZHOU UNITED NEW MATERIAL TECHNOLOGY CO LTD	Solar heat collector panel
CN202304032U U 20120704	CN20112438620U 20111108	F24J2/46; F24J2/48	BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; HENAN HUASHUN SUNSHINE NEW ENERGY CO LTD	Vacuum solar heat collection pipe

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CN202304033U U 20120704	CN20112441376U 20111109	F24J2/46; F24J2/10; F24J2/32; F24J2/48	SHANDONG ECOOSOLAR CO LTD; HIMIN SOLAR CO LTD	Heat-pipe type evacuated solar collector tube
CN202304034U U 20120704	CN20112442270U 20111110	F24J2/46; F24J2/51	MIDEA HOLDING CO LTD	Solar water heater
CN202304035U U 20120704	CN20112446455U 20111110	F24J2/46	SHUAI SHAN	Solar heat concentration pipe
CN202304036U U 20120704	CN20112469638U 20111109	F24J2/46	XIN LU	Connection piece of solar heat concentration plates
CN202304037U U 20120704	CN20112469657U 20111109	F24J2/46	XIN LU	Solar heat collector sectional material
CN202304038U U 20120704	CN20112358348U 20110923	F24J2/52	ZHEJIANG SHENTAI SOLAR ENERGY CO LTD	Roof type chute support of CPC (compound parabolic collector) heat collector
CN202304039U U 20120704	CN20112383674U 20111011	F24J2/52	HEFEI MEILING SOLAR ENERGY TECHNOLOGY CO LTD	Dual-purpose bracket for solar water heater
CN202304040U U 20120704	CN20112383680U 20111011	F24J2/52	HEFEI MEILING SOLAR ENERGY TECHNOLOGY CO LTD	Flat-plate solar collector support
CN202304041U U 20120704	CN20112397896U 20111019	F24J2/52	JINHUA JINDA SOLAR TECHNOLOGY CO LTD	Connecting device for embedded Fresnel solar condenser frame
CN202304042U U 20120704	CN20112437357U 20111108	F24J2/52	CHENGDU CHUANGRE SOLAR ENERGY TECHNOLOGY CO LTD	High-daylight rate solar water heater bracket
CN202304043U U 20120704	CN20112437360U 20111108	F24J2/52	CHENGDU CHUANGRE SOLAR ENERGY TECHNOLOGY CO LTD	Stable solar water heater bracket
CN202304044U U 20120704	CN20112437361U 20111108	F24J2/52	CHENGDU CHUANGRE SOLAR ENERGY TECHNOLOGY CO LTD	Easily-mounted solar water heater support
CN202304092U U 20120704	CN20112399920U 20111019	F25B29/00; F24J2/00	SHANDONG TRYWOW HEATPUMP TECHNOLOGY CO LTD	Building -integration air-flow solar heat pump temperature-changing system
CN202304525U U 20120704	CN20112359042U 20110908	F28D20/02; F24J2/46	BO JIN	Heat storage water tank

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CN202304942U U 20120704	CN20112357087U 20110922	G01F23/22; F24J2/40; F24J2/46	SMITH A O CHINA WATER HEATER	Anti-scale water level sensor and solar water heater using same
CN202306328U U 20120704	CN20112355522U 20110922	G05D3/00; F24J2/46	JIANGSU XINHUA MACHINERY & ELECTRICAL EQUIPMENY MANUFACTURE CO LTD OFF	Solar tracking device
CN202307921U U 20120704	US20100846365 20100729	H01L31/042; H01L31/18	FIRST SUNSHINE COMPANY	Photovoltaic structure mounting system and equipment for mounting photovoltaic structure
CN202307936U U 20120704	CN20112425121U 20111021	H01L31/042; F24J2/00; H01L31/048	ZHUHAI XINGYE GREEN BUILDING TECHNOLOGY CO LTD; HUNAN XINGYE SOLAR ENERGY TECHNOLOGY CO LTD; ZHUHAI SINGYES RENEWABLE ENERGY TECHNOLOGY CO LTD	Photovoltaic and photothermal integrated component with hollow cavity structure
CN202307987U U 20120704	CN20112367048U 20110930	H01L31/058; F24J2/00; F24J2/48; H01L31/048; H01L31/052	JIANGSU RISUN TECHNOLOGY CO LTD	Solar energy photovoltaic heat exchange one-piece assembly
CN202315873U U 20120711	CN20112477019U 20111125	B01J19/12; F24J2/00	XINJIANG XIJIAN NEW MATERIALS TECHNOLOGY CO LTD	Solar energy double kettle reaction device
CN202324420U U 20120711	CN20112458072U 20111117	E04D13/18; F24J2/20; F24J2/48	WEI DAI	Solar water heating tile board
CN202324422U U 20120711	CN20112516774U 20111212	E04D13/18; F24J2/05; F24J2/50	SHAANXI HENGYUAN ENERGY EQUIPMENT CO LTD	Ecological heat pump control device
CN202326562U U 20120711	CN20112459280U 20111118	F16B5/02; F24J2/46	SHANDONG LINUO PARADIGMA CO	Fixing clamp of heat collector
CN202327339U U 20120711	CN20112500070U 20111116	F16K31/54; F24J2/46	XIANGPING WANG	Solar-energy emptying valve
CN202327657U U 20120711	CN20112481160U 20111128	F17D1/18; F24J2/00	UNIV NANJING	Solar day-and-night heat-tracing system for heavy oil

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CN202328465U U 20120711	CN20112474212U 20111124	F24D3/00; F24J2/00; F24J2/08; F24J2/10	GENSHEN SONG	Solar heating device
CN202328489U U 20120711	CN20112339945U 20110831	F24D15/00; F24J2/20; F24J2/48	UNIV SHIHEZI	Efficient solar air collector
CN202328532U U 20120711	CN20112466370U 20111122	F24F1/00; F24J2/08	XILIANG LAI	Split energy-saving air conditioner
CN202328777U U 20120711	CN20112501427U 20111206	F24H7/00; F24J2/34	CHANGZHOU ENERGY ENGINEERING CO LTD	Heat carrier heat supply system
CN202328801U U 20120711	CN20112513121U 20111209	F24H9/00; F24H9/20; F24J2/40; F24J2/46	ZHUHAI GREE ELEC APPLIANCES	Water heater and water return system thereof
CN202328818U U 20120711	CN20112178270U 20110525	F24J2/00; F24J2/40; F24J2/46	QINGYU ZHANG	Power-saving instant-heating automatic-control auxiliary heating system
CN202328819U U 20120711	CN20112261888U 20110723	F24J2/00; F24J2/40	SHENZHEN GENERAL INST OF ARCHITECTURAL DESIGN AND RES CO LTD	Solar energy-electric water heating system
CN202328820U U 20120711	CN20112320676U 20110830	F24J2/00; F24J2/40; F24J2/46	SHANGHAI EAST CHINA URBAN CONSTRUCTION DESIGN GROUP CO LTD	Heat supply control device for water tank
CN202328821U U 20120711	CN20112368076U 20110929	F24J2/00; F24J2/34; F24J2/46	XIAO LIANGWEN	Solar water heater with water guide assembly
CN202328822U U 20120711	CN20112389202U 20111013	F24J2/00; F24J2/40; F24J2/46	JINCHUAN GROUP CO LTD	Solar energy heat collection system with single water tank
CN202328823U U 20120711	CN20112412659U 20111026	F24J2/00; F24J2/40	SMITH A O CHINA WATER HEATER	Electrical-assisted heating intelligent control solar water heater
CN202328824U U 20120711	CN20112441920U 20111110	F24J2/00; E06B5/00	DALIAN VOCATIONAL & TECH COL	Glass window water heater
CN202328825U U 20120711	CN20112448056U 20111114	F24J2/00; F24J2/46	WANG BIN	Blade-type solar and air dual- energy heat collector
CN202328826U U 20120711	CN20112452817U 20111116	F24J2/00	ANHUI HUIRI ENVIRONMENTAL PROT ENERGY TECHNOLOGY CO	Convenient solar water heater

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			LTD	
CN202328827U U 20120711	CN20112453567U 20111116	F24J2/00; F24J2/40; F24J2/46	ZHEJIANG ZHONGGUANG ELECTRIC CO LTD	Solar energy and heat pump water heater
CN202328828U U 20120711	CN20112457074U 20111117	F24J2/00; F24J2/05; F24J2/24; F24J2/46	HUIZHOU SHUANGHE NEW ENERGY TECHNOLOGY CO LTD	Pressure-bearing type solar assisted heat pump water heater
CN202328829U U 20120711	CN20112481167U 20111128	F24J2/00; F22D1/50; F24J2/05; F24J2/24; F24J2/40; F28D20/02	UNIV NANJING	Solar day-and-night heat-tracing system for crude oil
CN202328830U U 20120711	CN20112490254U 20111201	F24J2/00	SHANGDONG XIANGNENG NEW ENERGY CO LTD	Novel water heater with complementation of solar energy and electrical heat energy
CN202328831U U 20120711	CN20112520848U 20111214	F24J2/00; F24D3/14	ENERGY RES INST OF HEBEI ACADEMY OF SCIENCES	Solar heating system assisted by ground source heat pump
CN202328832U U 20120711	CN20112466473U 20111122	F24J2/02; F24J2/46	XINGANG SHIPPING CO LTD	Detachable solar cooker
CN202328833U U 20120711	CN20112339959U 20110831	F24J2/05; F24J2/20	UNIV SHIHEZI	Solar air heat collector
CN202328834U U 20120711	CN20112410427U 20111025	F24J2/05; F24J2/24; F24J2/28; F24J2/34; F24J2/46; F24J2/48	WUXI C SOLAR NEW ENERGY TECHNOLOGY LTD	Purification type solar energy air heating collection and fluid storage system
CN202328835U U 20120711	CN20112443264U 20111110	F24J2/05; F24J2/26; F24J2/32; F24J2/51	SHANDONG LINUO PARADIGMA CO	Solar water heater
CN202328836U U 20120711	CN20112465213U 20111122	F24J2/05; F24J2/24; F24J2/46	ANHUI JINGRUN NEW ENERGY CO LTD	Flat solar heat collector with double cover plates
CN202328837U U 20120711	CN20112505339U 20111207	F24J2/05; F24J2/20; F24J2/46	SHENZHEN COMMONPRAISE SOLAR CO LTD	Balcony railing type solar heat collector
CN202328838U U 20120711	CN20112473626U 20111124	F24J2/06; F24J2/34	HEBEI SANGHAI THERMAL MECHANICAL CO LTD	Solar combined heating system
CN202328839U U 20120711	CN20112524113U 20111215	F24J2/10; F24J2/40; F24J2/46	SHEN JIANG	Solar energy high-temperature heat source

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CN202328840U U 20120711	CN20112386856U 20111012	F24J2/18	YANHONG PAN	Solar energy heat collection device capable of secondarily absorbing sunlight
CN202328841U U 20120711	CN20112442833U 20111110	F24J2/24	GUANGXI JIKUAN SOLAR ENERGY EQUIPMENT CO LTD	Efficient solar water heater suitable for rural areas
CN202328842U U 20120711	CN20112476365U 20111125	F24J2/24; F24J2/46	SHUZHI LEI	Solar water boiler
CN202328843U U 20120711	CN20112505182U 20111207	F24J2/30; F24J2/46; F24J2/51	JIANXIN YANG	Heating solar energy water heater
CN202328844U U 20120711	CN20112483447U 20111129	F24J2/32; F24J2/46; F24J2/48	KUNSHAN JUZHONG ELECTRONICS CO LTD	Multi-section heat pipe type solar heat collector
CN202328845U U 20120711	CN20112447711U 20111111	F24J2/40	CAILING ZHOU	Energy saving water heater with automatic temperature control system
CN202328846U U 20120711	CN20112465222U 20111122	F24J2/40	ANHUI JINGRUN NEW ENERGY CO LTD	Balcony wall-mounted solar water heater with overheat protection function
CN202328847U U 20120711	CN20112465236U 20111122	F24J2/40	ANHUI JINGRUN NEW ENERGY CO LTD	Balcony wall mounted type solar water heater with automatic temperature limiting function
CN202328848U U 20120711	CN20112469854U 20111123	F24J2/40	UNIV NORTHWEST NORMAL	Split-type controller of solar water heater based on power line carrier
CN202328849U U 20120711	CN20112490873U 20111201	F24J2/40	LINZHOU LV	Fully-automatic measurement and control device of solar water heater
CN202328850U U 20120711	CN20112060566U 20110309	F24J2/46; F16K21/16	CUI XIU	Solar water heater water adding valve with water-full automatic closing function
CN202328851U U 20120711	CN20112165321U 20110523	F24J2/46; F24J2/50	YONG CHEN; YONGQING SUN; LI JUN	All-glass solar vacuum heat collecting pipe outer pipe with mirror effect and reflecting function

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CN202328852U U 20120711	CN20112278646U 20110802	F24J2/46	WEISONG ZHOU	Solar double pipe
CN202328853U U 20120711	CN20112278657U 20110802	F24J2/46	WEISONG ZHOU	Solar double-pipe
CN202328854U U 20120711	CN20112278658U 20110802	F24J2/46	WEISONG ZHOU	Solar duplex tube
CN202328855U U 20120711	CN20112303798U 20110819	F24J2/46	ZHOU WEISONG	Solar single pipe
CN202328856U U 20120711	CN20112356271U 20110922	F24J2/46	YUMIN TANG; HONGWEI YU	Bidirectional-symmetry flow-increasing and partial-pressure heat collector
CN202328857U U 20120711	CN20112441317U 20111109	F24J2/46	SHANDONG ECOOSOLAR CO LTD; HIMIN SOLAR CO LTD	Heat radiation device for solar water heating system
CN202328858U U 20120711	CN20112443262U 20111110	F24J2/46	SHANDONG LINUO PARADIGMA CO	Automatic water replenishing structure
CN202328859U U 20120711	CN20112446347U 20111111	F24J2/46	ZHEJIANG GAODELE NEW ENERGY CO LTD	Solar heat collection tube with heat accelerator
CN202328860U U 20120711	CN20112446356U 20111111	F24J2/46	ZHEJIANG XINHAOJI ELECTRIC CO LTD	Dustproof magnetizing ring of solar water heater
CN202328861U U 20120711	CN20112446922U 20111111	F24J2/46	ZHEJIANG GAODELE NEW ENERGY CO LTD	Solar heat-collecting tube
CN202328862U U 20120711	CN20112449261U 20111115	F24J2/46	CONGGUI CHEN	Solar thermal collection plate
CN202328863U U 20120711	CN20112451193U 20111115	F24J2/46	LUOYANG WEIQI SOLAR ENERGY TECHNOLOGY CO LTD	Solar heat collecting pipe
CN202328864U U 20120711	CN20112457368U 20111117	F24J2/46; B08B1/00	XUZHOU CHINESE BUSINESS MAN CONSULTING CO LTD	Self-cleaning type solar water heater
CN202328865U U 20120711	CN20112461307U 20111118	F24J2/46	HIMIN SOLAR CO LTD; ECOOSOLAR	Exhaust water nozzle and exhaust water nozzle component of solar water heater
CN202328866U U 20120711	CN20112463553U 20111121	F24J2/46; F24J2/51	DEXIN CHEN	Novel thermal insulation water tank of solar water heater

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CN202328867U U 20120711	CN20112463559U 20111121	F24J2/46	DEXIN CHEN	Anti-overflow device for solar water tank
CN202328868U U 20120711	CN20112464642U 20111122	F24J2/46	SHANDONG LINUO PARADIGMA CO	Aluminum alloy header and heat accumulator using header
CN202328869U U 20120711	CN20112464953U 20111122	F24J2/46	JIANCHENG ZHANG	Line-focus solar reinforced thermal collecting pipe with compound degasifying device
CN202328870U U 20120711	CN20112465197U 20111122	F24J2/46; F24J2/05; F24J2/24	ANHUI JINGRUN NEW ENERGY CO LTD	Solar heat absorber and flat type solar heat collector
CN202328871U U 20120711	CN20112469144U 20111123	F24J2/46	ZHANPING WANG	Solar panel mounting border
CN202328872U U 20120711	CN20112470490U 20111123	F24J2/46	PINGHU WEIBO ELECTRICAL TECHNOLOGY CO LTD	Energy-saving assist device of solar water heater
CN202328873U U 20120711	CN20112470530U 20111123	F24J2/46	SHANDONG ECOOSOLAR ENERGY CO LTD	Medium/high-temperature solar heat collection tube type exhausting device
CN202328874U U 20120711	CN20112474092U 20111124	F24J2/46	BEIJING INST CIVIL ENG & ARCH	Solar vacuum tube based on flexible solar cell
CN202328875U U 20120711	CN20112474355U 20111124	F24J2/46	BEIJING INST CIVIL ENG & ARCH	Solar vacuum tube with inner tube capable of accommodating working medium based on flexible solar cell
CN202328876U U 20120711	CN20112495503U 20111202	F24J2/46	UNIV CHONGQING	Intelligent water feeding device for household solar water heater
CN202328877U U 20120711	CN20112509603U 20111208	F24J2/46	ZHUOLIN FENG	Improved solar heat exchange water storage tank
CN202328878U U 20120711	CN20112509983U 20111117	F24J2/46; F24J2/51	HUAYANG YU	Solar vacuum heat storage water tank
CN202328879U U 20120711	CN20112510185U 20111209	F24J2/46	CHENGDU SHOUNENG NEW ENERGY DEV CO LTD	Medium- and high-temperature solar vacuum heat-collecting tube
CN202328880U U 20120711	CN20112453908U 20111114	F24J2/48; B32B15/16; B32B33/00; H01L31/052	WUXI C SOLAR NEW ENERGY TECHNOLOGY LTD	Adsorption board with intermediate-high temperature solar adsorption coating

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CN202328881U U 20120711	CN20112509276U 20111209	F24J2/51	HULIANG XU	Solar water heater with heat-proof ring
CN202328882U U 20120711	CN20112437277U 20111108	F24J2/52	CHENGDU CHUANGRE SOLAR ENERGY TECHNOLOGY CO LTD	Portable solar water heater support
CN202328883U U 20120711	CN20112437390U 20111108	F24J2/52	CHENGDU CHUANGRE SOLAR ENERGY TECHNOLOGY CO LTD	Solar energy water heater bracket
CN202328884U U 20120711	CN20112470002U 20111123	F24J2/52	SUZHOU SUNSHINE SOLAR ENERGY CO LTD	Solar water heater with inner container supporting effect
CN202329748U U 20120711	CN20112448618U 20111114	G01F23/34; F24J2/46	QINGSONG WANG	Liquid level detecting device and solar water heater
CN202335764U U 20120718	CN20112392485U 20111011	A47J27/21; A47J36/24; F24J2/05; F24J2/48	UNIV SHANDONG SCIENCE & TECH	Solar thermos
CN202338075U U 20120718	CN20112481545U 20111122	E04D13/18; F24J2/00; F25B29/00	TIANJIN DIYUAN ENERGY SAVING EQUIPMENT CO LTD	System integrating building material with solar hot water functions and heat pump set
CN202338660U U 20120718	CN20112399082U 20111013	F16K11/074; F16K31/04; F24J2/46	JIANGSU XIAOHONG SOLAR TECHNOLOGY CO LTD; GUANGQUAN LI; HONGBIN YUAN	Pipeline emptying valve with vent pipe placed on ceramic cartridge stable sheet
CN202338946U U 20120718	CN20112528140U 20111216	F24D3/14; F24J2/00; F24J2/24; F24J2/40	HONGWEI LI	Solar energy geotherm of internet of things
CN202339014U U 20120718	CN20112498141U 20111205	F24J2/00; F24J2/40	WUHAN ARCHITECTURAL DESIGN INST	Domestic solar water heating system with underground water serving as water source
CN202339015U U 20120718	CN20112545332U 20111215	F24J2/05; E04B2/88; E04D13/18	HAFLRU	Solar-based integrated air conditioning system of building
CN202339016U U 20120718	CN20112479682U 20111128	F24J2/16; F24J2/40; F24J2/46; F24J2/52	HAIPING HUANG	Paraboloidal light-condensing reflecting solar water heating device

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CN202339017U U 20120718	CN20112378349U 20110930	F24J2/20; F24J2/40; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Low-pressure closed solar water heating system of flat plate collector
CN202339018U U 20120718	CN20112250835U 20110716	F24J2/24; F24J2/46; F24J2/52	LI LELIN	Assembled solar water heater
CN202339019U U 20120718	CN20112396203U 20111018	F24J2/24; C02F1/48; F24J2/46	PENGGUO RUAN	Solar tube of magnetizer
CN202339020U U 20120718	CN20112410373U 20111025	F24J2/24; F24J2/32; F24J2/46	ZHEJIANG JIADELE SOLAR ENERGY CO LTD	Stainless steel heat tube type pressure bearing solar water heater
CN202339021U U 20120718	CN20112457547U 20111114	F24J2/30	XIAOFANG ZHANG	Solar split-type water heater
CN202339022U U 20120718	CN20112399954U 20111019	F24J2/32; F24J2/14; F24J2/46; F24J2/51	ANHUI DUODA WANJING NEW ENERGY CO LTD	Tube-sheet-focusing type solar heat-tube heat collector
CN202339023U U 20120718	CN20112399063U 20111013	F24J2/46; F24H9/00; F24J2/51	JIANGSU XIAOHONG SOLAR ENERGY TECHNOLOGY CO LTD; GUANGQUAN LI; HONGBIN YUAN	Positive displacement water box with multi-layer compounding integrated insulation structure
CN202339024U U 20120718	CN20112410368U 20111025	F24J2/46	ZHEJIANG JIADELE SOLAR ENERGY CO LTD	Water tank of hierarchical concurrent heating solar water heater
CN202339025U U 20120718	CN20112410375U 20111025	F24J2/46	ZHEJIANG JIADELE SOLAR ENERGY CO LTD	Built-in sealing solar water heater
CN202339026U U 20120718	CN20112410376U 20111025	F24J2/46	ZHEJIANG JIADELE SOLAR ENERGY CO LTD	Adjust-type header water supply tank barrel support
CN202339027U U 20120718	CN20112416958U 20111027	F24J2/46	SHANDONG KEMING SOLAR ENERGY CO LTD	Vacuum connector for solar heat collection tube
CN202339028U U 20120718	CN20112416960U 20111027	F24J2/46	SHANDONG KEMING SOLAR ENERGY CO LTD	Solar heat collecting tube maintenance supporting plate
CN202339029U U 20120718	CN20112416972U 20111027	F24J2/46	SHANDONG KEMING SOLAR ENERGY CO LTD	Anti-scratch bag for solar heat collecting tube
CN202339030U U 20120718	CN20112421793U 20111031	F24J2/46	UNIV SHANDONG SCIENCE & TECH	Solar water heater

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CN202339031U U 20120718	CN20112422264U 20111031	F24J2/46; F24J2/50	ZAXIANG LIU	Flat solar case
CN202339032U U 20120718	CN20112451451U 20111115	F24J2/46	SINOYIN SOLARES CO LTD	Coil pipe flat-plate solar collector core
CN202339033U U 20120718	CN20112451454U 20111115	F24J2/46	SINOYIN SOLARES CO LTD	Solar heat collecting plate core provided with coils and heat absorbing coatings on front and back surfaces
CN202339034U U 20120718	CN20112451455U 20111115	F24J2/46	SINOYIN SOLARES CO LTD	Flat-plate solar collector
CN202339035U U 20120718	CN20112451457U 20111115	F24J2/46	SINOYIN SOLARES CO LTD	Outer border of light, thin and high-strength flat plate collector
CN202339036U U 20120718	CN20112451460U 20111115	F24J2/46	SINOYIN SOLARES CO LTD	Tilting straight tube core device of flat-plate solar collector
CN202339037U U 20120718	CN20112457513U 20111114	F24J2/46; F28F1/42	XIAOFANG ZHANG	Novel heat transfer flow channel
CN202339038U U 20120718	CN20112457515U 20111114	F24J2/46	XIAOFANG ZHANG	Novel spiral heat exchange runner
CN202339039U U 20120718	CN20112457550U 20111114	F24J2/46; F24J2/51	XIAOFANG ZHANG	Novel solar heat exchange inner container
CN202339040U U 20120718	CN20112457557U 20111114	F24J2/46	XIAOFANG ZHANG	Novel connection device for solar heat-collection film and thermal conductive tube
CN202339041U U 20120718	CN20112457560U 20111114	F24J2/46	XIAOFANG ZHANG	Device capable of increasing heat conduction area of water tank
CN202339042U U 20120718	CN20112505165U 20111207	F24J2/46	HANGZHOU BONENG ELECTRONIC TECHNOLOGY CO LTD	Water tank for solar water heater
CN202339043U U 20120718	CN20112525254U 20111128	F24J2/46	ENNENG SONG	High-pressure freeze-proof solar water heater
CN202339044U U 20120718	CN20112410387U 20111025	F24J2/52	ZHEJIANG JIADELE SOLAR ENERGY CO LTD	Embedded adjustable base assembly used for mounting heat collecting tube

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CN202339045U U 20120718	CN20112410392U 20111025	F24J2/52	ZHEJIANG JIADELE SOLAR ENERGY CO LTD	Embedded adjustable base used for mounting heat collecting tube
CN202349204U U 20120725	CN20112483436U 20111129	F16J15/06; F24J2/46	KUNSHAN JUZHONG ELECTRONICS CO LTD	Heat pipe type solar heat collector and sealing structure thereof
CN202350164U U 20120725	CN20112402886U 20111021	F24D3/18; F24J2/00; F25B29/00	ANHUI TULIP NEW ENERGY TECH CO LTD	Solar optothermal and ground source heat pump combined system
CN202350220U U 20120725	CN20112499903U 20111206	F24F5/00; F24J2/04; F25B30/06; F25B41/04	ANHUI RIYUAN ENVIRONMENT PROT ENERGY SCI & TECH CO LTD	Building energy-saving system using various types of renewable energy sources
CN202350316U U 20120725	CN20112504202U 20111207	F24H9/00; F24J2/46	SAKURA BATH & KITCHEN PROD CN	Novel heat exchange coil structure combined with flange
CN202350332U U 20120725	CN20112362343U 20110926	F24J2/00; F24H4/04	CHANGSHU INST TECHNOLOGY	Separated solar heat pump water heater
CN202350333U U 20120725	CN20112494486U 20111129	F24J2/00; F24J2/34; F24J2/40	SHUNQUAN GUO	Solar series system water heater
CN202350334U U 20120725	CN20112496225U 20111204	F24J2/00; H02N6/00	ZHONGMIN LI	Solar photothermal and photoelectricity conversion device
CN202350335U U 20120725	CN20112496338U 20111204	F24J2/00	UNIV ZHEJIANG OCEAN	Solar energy-wind energy integrated water heater
CN202350336U U 20120725	CN20112391015U 20111007	F24J2/02; F24J2/05; F24J2/48	GUOMEI LAN	Solar light gathering stove pot
CN202350337U U 20120725	CN20112480784U 20111128	F24J2/05; F24J2/24; F24J2/46; H02N6/00	LUOYANG TIANZHAO NEW ENERGY SCIENCE & TECHNOLOGY CO LTD	Solar system
CN202350338U U 20120725	CN20112508026U 20111208	F24J2/05; F24J2/48; F24J2/50; F24J2/51	LUOYANG WEIQI SOLAR ENERGY TECHNOLOGY CO LTD	Solar hot air drying and heating device
CN202350339U U 20120725	CN20112445671U 20111111	F24J2/10; F24J2/24; F24J2/34	HUZHOU SHENLAN COMP TECHNOLOGY DEV CO LTD	Cluster type solar water heater
CN202350340U U 20120725	CN20112455453U 20111117	F24J2/10; F24J2/24; F24J2/52	XINGWEN MO	High-performance solar heat collection device
CN202350341U U 20120725	CN20112429446U 20111103	F24J2/12; F24J2/24; F24J2/40	ANHUI UNIVERSITY OF ARCHITECTURE	Synchronous solar water heater

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CN202350342U U 20120725	CN20112448575U 20111114	F24J2/12	GENWANG YUE	Solar boiler
CN202350343U U 20120725	CN20112357978U 20110827	F24J2/24; F24J2/40	XIAOYUE ZHANG	Remote split-type solar water heater
CN202350344U U 20120725	CN20112415711U 20111020	F24J2/24	XIANQUAN WANG	Glass window solar water heater
CN202350345U U 20120725	CN20112453513U 20111116	F24J2/24; F24J2/34; F24J2/46; F24J2/51	XIANGZHE LIN	Solar heat collection device
CN202350346U U 20120725	CN20112462953U 20111121	F24J2/24; F24J2/10; F24J2/46	LEI ZHU	High-efficiency solar heat collector
CN202350347U U 20120725	CN20112477395U 20111126	F24J2/24	HONGKAI NING	Solar heat collection type anti-theft net
CN202350348U U 20120725	CN20112479344U 20111128	F24J2/24; C12M1/02; C12M1/107	WUXI TONGCHUN NEW ENERGY TECH	Synergism device for conveying warm water from solar water heater to pipeline on wall of methane-generating pit
CN202350349U U 20120725	CN20112495094U 20111202	F24J2/24; F24J2/46	ZHEJIANG MEIDA SOLAR ENERGY INDUSTRY CO LTD	Pressure-bearing transverse solar heat collector
CN202350350U U 20120725	CN20112412690U 20111026	F24J2/30	CHANGZHOU DAILY SOLAR CO LTD	Solar air heat collection hot water system
CN202350351U U 20120725	CN20112448905U 20111114	F24J2/30; F22B1/00; F24J2/46	BEIJING ZHAOYANG ENERGY TECHNOLOGY CO LTD	Novel solar heat collector
CN202350352U U 20120725	CN20112426948U 20111101; CN20112510405U 20111209	F24J2/32; F24J2/46	KUNSHAN JUZHONG ELECTRONICS CO LTD	Heat pipe type solar heat collector
CN202350353U U 20120725	CN20112302734U 20110810	F24J2/40	XINGQI LI	Automatic frost-prevention water-saving type solar heat exchanger capable of firstly outputting hot water
CN202350354U U 20120725	CN20112380173U 20111009	F24J2/40	HAINING SIDO SOLAR ENERGY TECHNOLOGY CO LTD	Digital remote intelligent control system for solar water heater

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CN202350355U U 20120725	CN20112447800U 20111114	F24J2/40; F24J2/38	QINGDAO JARI AUTOMATION CO LTD	Heat collecting groove controller and groove type solar heat power generation system
CN202350356U U 20120725	CN20112477189U 20111125	F24J2/40	KANG WANG	Water level control device for water tank
CN202350357U U 20120725	CN20112522670U 20111214	F24J2/40	YUNNAN TIN TONGLE SOLAR ENERGY CO LTD	Energy-saving water-saving type solar water heater heating device
CN202350358U U 20120725	CN20112356264U 20110816	F24J2/46	RUIXUAN ZHANG	Manual and automatic plug for exhaust hole of solar water tank
CN202350359U U 20120725	CN20112375104U 20111008	F24J2/46; F03D9/00	UNIV KUNMING SCIENCE & TECH	Solar centralized heating system using wind energy for heating remained water
CN202350360U U 20120725	CN20112423663U 20111101	F24J2/46; F24J2/00	SHENGLI JIAO	Vacuum glass heat-insulation water box
CN202350361U U 20120725	CN20112449093U 20111114	F24J2/46	QINGDAO FULLGREEN SOLAR TECH CO LTD	Exhaust pipe of solar water heater and solar water heater with exhaust pipe
CN202350362U U 20120725	CN20112516098U 20111213	F24J2/46	YANG SONG	Water-resisting device of integrated pressure-bearing type solar water heater
CN202350363U U 20120725	CN20112522669U 20111214	F24J2/46	YUNNAN TIN TONGLE SOLAR ENERGY CO LTD	Buried-connection type efficient flat-plate solar collector
CN202350364U U 20120725	CN20112548176U 20111210	F24J2/46; C02F1/30; C02F1/32; F24H9/00	HAIYONG ZHANG	Sterilization water tank device with external electric light source
CN202350365U U 20120725	CN20112578456U 20111214	F24J2/46	FENGYI XIA	Anti-freezing solar water heater
CN202350366U U 20120725	CN20112525371U 20111215	F24J2/52	SAKURA BATH & KITCHEN PROD CN	Novel multi-purpose solar water heater bracket
CN202350375U U 20120725	CN20112388403U 20111001	F25B27/00; F24J2/24; F25B29/00	CHUNNING ZHANG	Solar and wind energy water/air supply all-in-one machine
CN202350383U U 20120725	CN20112455094U 20111116	F25B29/00; F24J2/00; F25B27/00; F25B41/04	ZHIHUA DING	Phase change energy storage type solar composite energy cold, warm and hot water triple supply system

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CN202350442U U 20120725	CN20112461684U 20111103	F26B9/06; F24J2/04; F26B21/00; F26B25/00	HUHHOT BRANCH OF CHINESE ACADEMY OF AGRICULTURAL MECHANIZATION SCIENCES	Solar animal product drying equipment
CN202350604U U 20120725	CN20112361412U 20110923	F28D20/02; F24J2/34	BEIJING ZHAOYANG ENERGY TECHNOLOGY CO LTD	Phase-change thermal exchanging device
CN202354346U U 20120801	CN20112470046U 20111123	A24B1/02; A24B3/10; F24J2/00	MICOE SOLAR LUOYANG CO LTD	Device for three-stage flue-cured tobacco heat supply by using solar energy
CN202361653U U 20120801	CN20112329244U 20110902	F24J2/00; F24J2/46	JIANGUO SHI	Anti-freezing intelligitized instant heating type solar water heater
CN202361654U U 20120801	CN20112457956U 20111118	F24J2/00; C02F1/32; F24J2/46	MIDEA HOLDING CO LTD	Solar water heater
CN202361655U U 20120801	CN20112467259U 20111122	F24J2/00	UNIV SHANDONG SCIENCE & TECH	Solar heater
CN202361656U U 20120801	CN20122175390U 20120423	F24J2/00	SHANGHAI UNITED DESIGN GROUP CO LTD	Solar water heating system
CN202361657U U 20120801	CN20112468225U 20111119	F24J2/05; F24J2/46; F24J2/48; F24J2/50	XIANYONG DENG	Solar water heater
CN202361658U U 20120801	CN20112379743U 20110927	F24J2/10; F24J2/24; F24J2/32; F24J2/46; F24J2/48	UNIV NANJING	Optically-focused heat-pipe vacuum tube type solar anti- freezing water heater
CN202361659U U 20120801	CN20112364907U 20110923	F24J2/24; F24J2/46; F24J2/51	QIANG ZHOU	Novel solar air heater
CN202361660U U 20120801	CN20112506517U 20111204	F24J2/24; F24J2/46	XIETING LI	Combined solar water heater
CN202361661U U 20120801	CN20112509817U 20111209	F24J2/24; F24J2/46	SHANDONG SEA NADE SOLAR ENERGY CO LTD	Direct water circulating-type balcony-hanging solar water heater
CN202361662U U 20120801	CN20112465841U 20111122	F24J2/30; F24J2/40	MIDEA HOLDING CO LTD	Coil tube type solar water heater structure

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CN202361663U U 20120801	CN20112523205U 20111215	F24J2/34	HUNAN SINGYES SOLAR TECHNOLOGY CO LTD; ZHUHAI SINGYES GREEN BUILDING TECHNOLOGY CO LTD; ZHUHAI SINGYES RENEWABLE ENERGY TECHNOLOGY CO LTD; ZHUHAI SINGYES PHOTOELECTRICAL TECHNOLOGY CO LTD	Density contrast solar heat storage water tank
CN202361664U U 20120801	CN20112435713U 20111107	F24J2/40; F24J2/00	YUNNAN DIANXIN ENERGY CO LTD	Solar heating equipment with infrared monitoring device
CN202361665U U 20120801	CN20112463329U 20111118	F24J2/40	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Intelligently controlled solar panel circulation heating system
CN202361666U U 20120801	CN20112480825U 20111128	F24J2/40	BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; HENAN HUGSUN NEW ENERGY CO LTD	Intelligent solar controller based on GSM (global system for mobile communications) network
CN202361667U U 20120801	CN20112215250U 20110623	F24J2/46; F24J2/51	MIDEA HOLDING CO LTD	Insulation water tank for solar energy heater
CN202361668U U 20120801	CN20112431629U 20111104	F24J2/46	GUOXING LIU	Novel solar water storage tank
CN202361669U U 20120801	CN20112446552U 20111106	F24J2/46	TAIWEN CI	Mechanical double-evacuation solar water heater
CN202361670U U 20120801	CN20112450647U 20111115	F24J2/46; F24J2/48	HENAN SUNDAR ENERGY & ENVIRONMENTAL PROT CO LTD	Solar coated heat absorbing plate
CN202361671U U 20120801	CN20112462016U 20111121	F24J2/46	CHONGQING HAIER WATER HEATER CO LTD; HAIER GROUP CO LTD; QINGDAO ECONOMIC DEV ZONE HAIER WATER HEATER CO LTD	Border of flat plate collector

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CN202361672U U 20120801	CN20112468212U 20111119	F24J2/46	XIANYONG DENG	Solar water heater
CN202361673U U 20120801	CN20112491828U 20111201	F24J2/46	LONGBAO YANG	Solar automatic water stopping device
CN202361674U U 20120801	CN20112498942U 20111205	F24J2/46	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Solar vacuum tube with snow removing function
CN202361675U U 20120801	CN20112499148U 20111205	F24J2/46	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Solar heat-collecting panel with snow removal function
CN202361676U U 20120801	CN20112499207U 20111205	F24J2/46	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Solar heat-collecting panel with self-cleaning function
CN202361677U U 20120801	CN20112515855U 20111213	F24J2/46	LUOYANG TIANZHAO NEW ENERGY SCIENCE & TECHNOLOGY CO LTD	High-level water intaking device
CN202361678U U 20120801	CN20112527383U 20111216	F24J2/46	SHANGHAI ZHENENGHE SOLAR ENERGY EQUIPMENT CO LTD	Flat-plate solar collector with breathing holes
CN202361679U U 20120801	CN20112437389U 20111108	F24J2/52	CHENGDU CHUANGRE SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater bracket
CN202370266U U 20120808	CN20112422987U 20111031	E04H1/12; F24J2/05; F24J2/24	YUNNAN HUOYING SOLAR WATER HEATER CO LTD	Novel movable solar energy double plugging bathroom
CN202370267U U 20120808	CN20112423001U 20111031	E04H1/12; E04D13/18; F24J2/00	YUNNAN HUOYING SOLAR WATER HEATER CO LTD	Novel mobile solar bathroom
CN202371247U U 20120808	CN20112311053U 20110825	F16K21/16; F16K31/04; F16K31/44; F24J2/40	AO ZHANG	Automatic stop valve
CN202371895U U 20120808	CN20112537983U 20111221	F24J2/00; F24J2/46	FOSHAN SHUNDE AULUN ELECTRIC CO LTD	Double energy center water heating device using solar energy and air energy

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CN202371896U U 20120808	CN20112546409U 20111223	F24J2/00	XINRAN WEI	Plug and play solar water heater
CN202371897U U 20120808	CN20112561711U 20111228	F24J2/00; F24H9/00; F24H9/20; F24J2/40; F24J2/46	GUANGDONG YUE JIA SOLAR ENERGY CO LTD	Pipe connecting device for water heater
CN202371898U U 20120808	CN20112490024U 20111201	F24J2/02	XIANDONG FENG	Solar drying equipment
CN202371899U U 20120808	CN20112542483U 20111222	F24J2/04; F24J2/52; H01L31/042	KUNMING YINGZAO PROJECT DESIGN CO LTD	High-rise building orientation- adjustable solar energy receiving device
CN202371900U U 20120808	CN20112497978U 20111202	F24J2/05; E04B2/88; E04D13/18; F24J2/51	XI AN SUNFIRE NEW ENERGY TECHNOLOGY CO LTD	Solar energy collection device
CN202371901U U 20120808	CN20112563618U 20111229	F24J2/05; F24J2/24; F24J2/46; F24J2/48; F24J2/50	HARBIN DEGUANG NEW ENERGY CO LTD	Series plate type solar thermal collector
CN202371902U U 20120808	CN20112563841U 20111229	F24J2/05; F24J2/24; F24J2/46; F24J2/48; F24J2/50	HARBIN DEGUANG GROUND HEATING CO LTD	Plate type solar thermal collector
CN202371903U U 20120808	CN20112444995U 20111111	F24J2/10	ZHEJIANG SUPCON SOLAR ENERGY TECHNOLOGY CO LTD	Heliostat field for tower type solar thermal power generation system
CN202371904U U 20120808	CN20112546436U 20111223	F24J2/16; F24J2/40	SHANQUAN TIAN	Mirror-concentrating solar water heater
CN202371905U U 20120808	CN20112560492U 20111229	F24J2/24; F24J2/52	XIANLI WANG	Wall-mounted solar heat collector
CN202371906U U 20120808	CN20112540938U 20111221	F24J2/30	BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; HENAN HUGSUN NEW ENERGY CO LTD	Closed split solar water heating system
CN202371907U U 20120808	CN20112495022U 20111122	F24J2/32	YULIN UNIVERSITY	Non-vacuum solar gravity assisted heat pipe radiator

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CN202371908U U 20120808	CN20112468771U 20111123	F24J2/40	XIANDONG SONG	Anti-backflow full water alarm and automatic stop device
CN202371909U U 20120808	CN20112541371U 20111222	F24J2/40; F24J2/46	QIANRAN HE	Intelligent temperature control water-saving system for solar water heater
CN202371910U U 20120808	CN20112396912U 20111018	F24J2/46	GUANGRUI HU	Heat increase and reduction dual-purpose solar reflector
CN202371911U U 20120808	CN20112432980U 20111104	F24J2/46	DOWELL NEW ENERGY WUHU CO LTD	Outer barrel of solar water heater
CN202371912U U 20120808	CN20112433058U 20111104	F24J2/46	DOWELL NEW ENERGY WUHU CO LTD	Foamed plug for solar water heater
CN202371913U U 20120808	CN20112465205U 20111122	F24J2/46	GUIZHOU LVKANENG TECHNOLOGY CO LTD	Automatic defrosting solar water heater for low sunshine area
CN202371914U U 20120808	CN20112522671U 20111214	F24J2/46	YUNNAN TIN INDUSTRY TONGLE SOLAR ENERGY CO LTD	Glass heat pipe type vacuum heat collecting pipe for effectively transferring heat
CN202371915U U 20120808	CN20112530041U 20111217	F24J2/46	XINGLIANG HOU	Solar freeze-proofing water saver and solar energy equipment
CN202371933U U 20120808	CN20112543456U 20111222	F25B30/06; F24J2/00; F24J2/46; F25B49/00; H02J7/00	CSCEC5B BUILDING ENERGY TECHNOLOGY CO LTD; CSCEC CHANGSHA FUJISASH CURTAIN WALL & DECORATION CO LTD	Solar air source heat pump
CN202373617U U 20120808	CN20112470364U 20111123	H01L31/052; F24J2/00; H01L31/058	JIE SHEN	Photovoltaic power generation and solar water heater combined application device
CN202375021U U 20120815	CN20112558024U 20111228	A24B3/04; A24B3/10; F24J2/00	HUNAN TOBACCO COMPANY YONGZHOU BRANCH	Sunlight heat-collecting and energy-saving device for tobacco bulk curing barn
CN202380772U U 20120815	CN20122001418U 20120105	E04H1/12; E04D13/18; F24J2/24; F24J2/46	GANG XU	Novel solar integrated bathroom
CN202381815U U 20120815	CN20112517561U 20111213	F16K31/20; F24J2/46	UNIV DEZHOU	Automatic water control valve of solar water heater

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CN202382419U U 20120815	CN20112564488U 20111228	F24H9/14; F24H9/20; F24J2/40; F24J2/46	GUANGDONG YUE JIA SOLAR ENERGY CO LTD	Water heater connecting device
CN202382433U U 20120815	CN20112395730U 20111017	F24J2/00; F24J2/30; F24J2/46	YONGHUA LIU	Natural-circulation split solar water heater with small inner container
CN202382434U U 20120815	CN20112484199U 20111129	F24J2/00; F24J2/40; F24J2/46	SUZHOU SUBAO NEW ENERGY TECHNOLOGY CO LTD	Split pressure-bearing type solar water heater
CN202382435U U 20120815	CN20112507884U 20111208	F24J2/00; H02J7/00	DAMING CHEN	Solar water heater for supplying lighting electricity
CN202382436U U 20120815	CN20112555647U 20111227	F24J2/00; F24J2/32; F24J2/46; F24J2/48	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD	Solar photo-thermal system
CN202382437U U 20120815	CN20112364927U 20110914	F24J2/05; F24J2/24; F24J2/46	YUNCHENG HU	Solar water heater capable of being used on medium and high rise buildings
CN202382438U U 20120815	CN20112471570U 20111124	F24J2/05; F24J2/20; F24J2/46; F24J2/48; F24J2/50	CHANGZHOU DAILY SOLAR CO LTD; UNIV CHANGZHOU	Solar fresh air heater
CN202382439U U 20120815	CN20112471580U 20111124	F24J2/05; F24J2/26; F24J2/46; F24J2/48; F24J2/50	CHANGZHOU DAILY SOLAR CO LTD; UNIV CHANGZHOU	Solar fresh air heater with photovoltaic driving fan
CN202382440U U 20120815	CN20112471594U 20111124	F24J2/05; F24J2/46; F24J2/48	CHANGZHOU DAILY SOLAR CO LTD; UNIV CHANGZHOU	Solar air-and-water dual-purpose collector
CN202382441U U 20120815	CN20112554716U 20111227	F24J2/10	ZHEJIANG SUPCON SOLAR ENERGY TECHNOLOGY CO LTD	Unequal-height heliostat field for solar thermal power generation system
CN202382442U U 20120815	CN20112518649U 20111213	F24J2/20	CHANGZHOU DAILY SOLAR CO LTD; UNIV CHANGZHOU	Processing device for solar air flat plate heat collector
CN202382443U U 20120815	CN20112555839U 20111227	F24J2/20; F24J2/46; F24J2/48	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD	Flat plate type solar energy collector
CN202382444U U 20120815	CN20112538180U 20111221	F24J2/24; F24J2/30	UNIV SHANDONG SCIENCE & TECH	Novel solar energy water consumption machine

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CN202382445U U 20120815	CN20112538322U 20111221	F24J2/30	GUIZHOU LVKANENG TECHNOLOGY CO LTD	Solar water heater with self water pressure supply
CN202382446U U 20120815	CN20112560248U 20111228	F24J2/30; F24J2/46	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD	Solar water heating system
CN202382447U U 20120815	CN20112438040U 20111108	F24J2/32	UNIV NANJING NORMAL	Heat tube type vacuum tube solar water heater with liquid-sucking cores
CN202382448U U 20120815	CN20112438050U 20111108	F24J2/32	UNIV NANJING NORMAL	Heat tube type vacuum tube solar water heater with horizontal condensation sections
CN202382449U U 20120815	CN20112369053U 20110929	F24J2/40; F24J2/46	GUANGZHU FAN	Solar water heater capable of automatically spraying water at constant temperature
CN202382450U U 20120815	CN20112396699U 20111018	F24J2/40	QINGHAI LIU	Automatic control device for solar water heaters
CN202382451U U 20120815	CN20112449467U 20111115	F24J2/40; F24J2/46	CHENGDU SHUANGLIU HANGING HEAT EXCHANGER CO LTD	Solar water heater
CN202382452U U 20120815	CN20112549521U 20111226	F24J2/40; G01F23/00	WEIFANG YANGGUANG MEDIA TECHNOLOGY VOCATIONAL TRAINING SCHOOL	Electronic automatic water leak alarm device of solar water tank
CN202382453U U 20120815	CN20112396910U 20111018	F24J2/46	GUANGRUI HU	Floating-type diversion water storage tank
CN202382454U U 20120815	CN20112412722U 20111026	F24J2/46	CHANGZHOU DAILY SOLAR CO LTD	Air heat-exchanging type solar water heating system heat accumulation water tank
CN202382455U U 20120815	CN20112420889U 20111031	F24J2/46; F24J2/40	UNIV NANTONG	Wirelessly-controlled water inlet and outlet pipeline system device for solar water heater
CN202382456U U 20120815	CN20112493138U 20111122	F24J2/46	XIANYI WANG	Solar water tank

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CN202382457U U 20120815	CN20112504692U 20111207	F24J2/46	HIMIN SOLAR CO LTD; SHANDONG ECOOSOLAR CO LTD	Quick coupled water nozzle of solar water heater and water nozzle and water tank liner connection structure thereof
CN202382458U U 20120815	CN20112505045U 20111207	F24J2/46	DALI XINGQIU SOLAR ENERGY TECHNOLOGY DEV CO LTD	Exhaust station with 60 solar vacuum heat-collecting tubes
CN202382459U U 20120815	CN20112507116U 20111202	F24J2/46	CHUANLIANG DU	Hydraulic suction closing type automatic water feeder for solar water heater
CN202382460U U 20120815	CN20112553565U 20111227	F24J2/46	HIMIN SOLAR CO LTD; SHANDONG ECOOSOLAR CO LTD	Straight-through type solar collector tube
CN202382461U U 20120815	CN20112555641U 20111227	F24J2/46	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD	Horizontal jacket water tank
CN202382462U U 20120815	CN20112555853U 20111227	F24J2/46; F24J2/32; F24J2/48	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD	Flat plate solar collector and heat-absorbing plate core thereof
CN202382463U U 20120815	CN20112556081U 20111227	F24J2/46	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD	Flat plate solar collector and frame
CN202382464U U 20120815	CN20112561108U 20111229	F24J2/46; G01F23/74	UNIV SW SCI & TECH SWUST	Water heater with water full and insufficiency alarming device
CN202382465U U 20120815	CN20112564002U 20111228	F24J2/46	GUANGDONG YUE JIA SOLAR ENERGY CO LTD	Automatic sun-shading temperature-regulating device for solar water heater
CN202382466U U 20120815	CN20112575435U 20111231	F24J2/52	HAIYAN SHUANGYING PIPE FITTINGS MFG CO LTD	Solar water heater bracket
CN202382474U U 20120815	CN20112436305U 20111107	F25B29/00; F24J2/00; F25C1/00	UNIV HOHAI CHANGZHOU	Solar-energy-and-geothermy-integrated storage, heating and refrigerating system

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CN202384373U U 20120815	CN20112555655U 20111227	H01L31/052; F24J2/32; F24J2/46; H01L31/058	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD	Solar battery component
CN202385034U U 20120815	CN20112373134U 20110928	H02N6/00; F24J2/00	XINGWEN MO	Solar chimney power generation system combining photovoltaic technology
CN202385138U U 20120815	CN20112554581U 20111227	H04L29/08; F24J2/40	HIMIN SOLAR CO LTD; SHANDONG ECOOSOLAR CO LTD	Mobile phone remote monitoring system of household solar heating system
CN202387697U U 20120822	CN20112551791U 20111226	B08B3/10; C23G3/00; F24H1/00; F24J2/00	ZHEJIANG JINGANG AUTOMOBILE CO; ZHEJIANG GEELY HOLODING GROUP	Tank liquid heating system in coating preprocessing process of automobile
CN202388851U U 20120822	CN20112527422U 20111216	B32B9/04; B32B15/00; F24J2/48	SHANDONG SANGLE SOLAR ENERGY CO LTD	Solar selective absorption coating
CN202390197U U 20120822	CN20112344649U 20110915	C01B3/04; F24J2/05	CHEN SHIHAO	Solar hydrogen production and water heating device
CN202391038U U 20120822	CN20112224698U 20110629	E04F11/18; F24J2/46	CHEN XIANGFENG	Balcony guardrail for installing solar collector
CN202391165U U 20120822	CN20112311201U 20110822	E04H3/04; F24J2/12; G02B7/182; H02N6/00	HAINAN NORMAL UNIVERSITY	Solar fast food pavilion
CN202391166U U 20120822	CN20112311203U 20110822	E04H3/04; F24J2/12; G02B7/182	HAINAN NORMAL UNIVERSITY	Solar multifunctional summerhouse
CN202391167U U 20120822	CN20112311211U 20110822	E04H3/04; F24J2/12; G02B7/182; H02N6/00	HAINAN NORMAL UNIVERSITY	Multifunctional solar energy pavilion
CN202391168U U 20120822	CN20112311213U 20110822	E04H3/04; F24J2/12; G02B7/182	HAINAN NORMAL UNIVERSITY	Solar cooking pavilion
CN202392170U U 20120822	CN20112468772U 20111123	F16K11/08; F24J2/46	JING WANG	Simple and convenient solar water-emptying device

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CN202392219U U 20120822	CN20112512059U 20111210	F16K21/18; F16K31/20; F24J2/46	ZHANG GUANCHI	Automatic water level control valve
CN202392762U U 20120822	CN20112512411U 20111209	F22B1/00; F24J2/26	WUHAN YUNHE DINGYU REFRIGERATION TECHNOLOGY CO LTD	Solar steam system
CN202392768U U 20120822	CN20112501110U 20111205	F22B33/00; F01D15/10; F22D1/00; F24J2/04	SHAANXI CLEAN ENERGY DEV CO LTD	Solar and firewood-heating integrated power generation device
CN202392929U U 20120822	CN20112546374U 20111223	F24F5/00; F01K25/00; F03G6/06; F24J2/24	JIANGSU HEZHENG ENERGY TECHNOLOGY CO LTD	Thermodynamic solar air conditioner
CN202393017U U 20120822	CN20112246564U 20110713	F24J2/00	ZHEJIANG BIHUALI ELECTRIC TECHNOLOGY CO LTD	Solar and electric complementary novel water heater
CN202393018U U 20120822	CN20112451718U 20111115	F24J2/00; F24J2/05; F24J2/46; F24J2/48; F24J2/51	JIANGSU TOPSCI ENVIRONMENTAL PROT TECHNOLOGY CO LTD; LIDONG ZHAO; SONG CHEN	Novel infiltrative trapezoidal structured solar air collector device
CN202393019U U 20120822	CN20112472439U 20111124	F24J2/00; E04B1/80	ZIBO JINYANG NEW ENERGY TECHNOLOGY CO LTD	Hollow composite solar plate
CN202393020U U 20120822	CN20112500805U 20111205	F24J2/00; F24J2/30; F24J2/34	SHAANXI CLEAN ENERGY DEV CO LTD	Solar heat grading transfer system
CN202393021U U 20120822	CN20112519542U 20111202	F24J2/00; F24J2/40	YISHAN ZHAO	Solar energy and electricity hybrid water heater
CN202393022U U 20120822	CN20112540163U 20111216	F24J2/00	SHAANXI CLEAN ENERGY DEV CO LTD	Domestic combined-type water heater of building wall body embedded-type solar energy and air source heat pump
CN202393023U U 20120822	CN20112542221U 20111216	F24J2/00	SHAANXI CLEAN ENERGY DEV INC	Bathing hot-water system with multi-heat source
CN202393024U U 20120822	CN20112542222U 20111216	F24J2/00; F24J2/05; F24J2/32; F24J2/52	SHAANXI CLEAN ENERGY DEV INC	Solar water heater inlaid in building wall
CN202393025U U 20120822	CN20112547808U 20111224	F24J2/00; F24J2/24; F24J2/30; F24J2/51	LIN YONG	Heat-storage solar water heater

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CN202393026U U 20120822	CN20112547827U 20111224	F24J2/00; F24J2/24; F24J2/30	LIN YONG	High-temperature solar water heater
CN202393027U U 20120822	CN20112474752U 20111124	F24J2/04; H02N11/00	SHAANXI CLEAN ENERGY DEV INC	Solar hot water generation device
CN202393028U U 20120822	CN20112513774U 20111209	F24J2/04; H02N11/00	SHAANXI CLEAN ENERGY DEV INC	Solar power generation hot water comprehensive utilization system
CN202393029U U 20120822	CN20112511019U 20111208	F24J2/05; F24J2/24; F24J2/32	SHAANXI CLEAN ENERGY DEV INC	Heat pipe type solar heat collector
CN202393030U U 20120822	CN20112546945U 20111216	F24J2/05; F24J2/32; F24J2/48; F24J2/50	SHAANXI CLEAN ENERGY DEV INC	Solar water heater embedded on building balcony
CN202393031U U 20120822	CN20112406616U 20111024	F24J2/06; F24J2/10; F24J2/24; F24J2/46	FUNG GIN DA ENERGY SCIENCE AND TECHNOLOGY CO LTD [TW]	Sun seeking and light condensing heat-energy generator
CN202393032U U 20120822	CN20122005394U 20120106	F24J2/12; F24J2/24; F24J2/48	INST ENG THERMOPHYSICS CAS	Parabolic-groove type solar heat collection device
CN202393033U U 20120822	CN20112481279U 20111128	F24J2/18; F24J2/24	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater
CN202393034U U 20120822	CN20122001838U 20120105	F24J2/20; F24J2/51	GUANGXI NANNING HUANQIUHUI SHI NEW BUILDING MATERIAL CO LTD	Roof solar heat collecting system
CN202393035U U 20120822	CN20112481282U 20111128	F24J2/24; F24J2/30; F24J2/46	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD	Solar energy air heating device
CN202393036U U 20120822	CN20112481286U 20111128	F24J2/24; F24J2/46	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD	Flat plate collector
CN202393037U U 20120822	CN20112546379U 20111223	F24J2/24; F24J2/05; F24J2/46; F24J2/51	JIANGSU HEZHENG ENERGY TECHNOLOGY CO LTD	Heat-pipe type solar heat collector with heat absorbing plate
CN202393038U U 20120822	CN20112561648U 20111229	F24J2/24; F24J2/10; F24J2/52	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Overlapped comprehensive heat collection device for Fresnel thermal power generation

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CN202393039U U 20120822	CN20112510735U 20111208	F24J2/32; H02N11/00	SHAANXI CLEAN ENERGY DEV CO LTD	Solar heat collection power generator
CN202393040U U 20120822	CN20112426109U 20111102	F24J2/40	ZHEJIANG BIHUALI ELECTRIC TECHNOLOGY CO LTD	Field collecting and processing hardware platform for solar water heating project
CN202393041U U 20120822	CN20112496852U 20111202	F24J2/40	MIDEA HOLDING CO LTD	Automatic water-filling solar water heater
CN202393042U U 20120822	CN20112286691U 20110808	F24J2/46	XI AN CO MEN ELECTRONIC TECHNOLOGY CO LTD	Solar thermal collection water tank provided with transparent outer barrel
CN202393043U U 20120822	CN20112430280U 20111103	F24J2/46; F24J2/48	HANGZHOU UNITED NEW MATERIAL TECHNOLOGY CO LTD	Solar absorber plate
CN202393044U U 20120822	CN20112471654U 20111124	F24J2/46	XI AN CO MEN ELECTRONIC TECHNOLOGY CO LTD	Solar heat collecting water tank with luminous signs
CN202393045U U 20120822	CN20112481289U 20111128	F24J2/46	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater
CN202393046U U 20120822	CN20112481290U 20111128	F24J2/46	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater liner
CN202393047U U 20120822	CN20112495868U 20111203	F24J2/46	MIDEA HOLDING CO LTD	Absorber plate core of solar flat plate collector
CN202393048U U 20120822	CN20112512400U 20111209	F24J2/46; F24J2/48	WUHAN YUNHE DINGYU REFRIGERATION SCIENCE & TECHNOLOGY CO LTD	Solar U-shaped tube vacuum glass tube for generating high- temperature hot water or steam
CN202393049U U 20120822	CN20112512412U 20111209	F24J2/46; F22B1/00	WUHAN YUNHE DINGYU REFRIGERATION TECHNOLOGY CO LTD	Pump-less water replenishing device of solar steam generator
CN202393050U U 20120822	CN20112539292U 20111220	F24J2/46; C02F1/00; C02F1/28; C02F1/68; C02F9/02	PEIQI HONG	Water tank solar heat collection device capable of improving water quality

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CN202393051U U 20120822	CN20112548631U 20111223	F24J2/46	CHONGQING HAIER WATER HEATER CO LTD; HAIER GROUP CO LTD; QINGDAO ECONOMIC DEV ZONE HAIER WATER HEATER CO LTD	Breathing structure applied to frame of solar flat plate collector
CN202393052U U 20120822	CN20112561571U 20111229	F24J2/46	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Heat transfer enhanced heat collection tube for solar thermal power generation
CN202393053U U 20120822	CN20112561622U 20111229	F24J2/46; F24J2/48	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Solar low-and-medium temperature heat collecting calandria with high-adsorption coating
CN202393054U U 20120822	CN20112562054U 20111229	F24J2/46	JINGTIAN ZHAO	Anti-freezing solar cooker water heater inner container and water pipe unfreezing device thereof
CN202393055U U 20120822	CN20122004233U 20120106	F24J2/46; F24F5/00; F24H7/02; F24J2/50	WUHAN OPTICS VALLEY ENERGY SAVING TECHNOLOGY CO LTD	Thermal-storage solar glass and refrigerating system and heating system composed of same
CN202393056U U 20120822	CN20122032194U 20120111	F24J2/46	UNIV SHANDONG SCIENCE & TECH	Automatic-emptying anti-freeze system for solar water heaters
CN202393057U U 20120822	CN20112481285U 20111128	F24J2/52	JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD	Support of flat-plate type solar heat collector
CN202393058U U 20120822	CN20112491130U 20111201	F24J2/52	SUZHOU RADIANT PHOTOVOLTAIC TECHNOLOGY CO LTD	Angle-adjustable Y-shaped rack
CN202393059U U 20120822	CN20112491276U 20111201	F24J2/52	SUZHOU RADIANT SOLAR TECHNOLOGY CO LTD	Guide rail installation rack
CN202393060U U 20120822	CN20112535685U 20111220	F24J2/52	XIAOTONG LI	Solar water heater angle adjusting support
CN202393061U U 20120822	CN20112561524U 20111229	F24J2/52	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Dual-layer composite self-balance structure of line focusing solar reflection frame

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CN202393062U U 20120822	CN20112561916U 20111229	F24J2/54	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Structure of virtual rotating shaft for multi-position height- adjustable line focus reflection support
CN202393083U U 20120822	CN20112462017U 20111121	F25B27/00; F24J2/00; F24J2/05; F24J2/24; F25B19/02	SINOTECH NEW ENERGY SCIENCE AND TECHNOLOGY DALIAN CO LTD	Solar injector commercial or civil central air conditioning system
CN202393087U U 20120822	CN20112547809U 20111224	F25B29/00; F24F5/00; F24J2/24	LIN YONG	Solar heat storage air conditioner
CN202393096U U 20120822	CN20112547825U 20111224	F25B29/00; F24F5/00; F24J2/24	LIN YONG	Solar heat pump air conditioner
CN202393960U U 20120822	CN20112280668U 20110803	G02B7/182; F24J2/10; G02B19/00	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Novel solar reflector
CN202395686U U 20120822	CN20112515144U 20111209	H02N6/00; F24J2/24; F24J2/40	SHAANXI CLEAN ENERGY DEV CO LTD	Solar power generation and hot water device
CN202402744U U 20120829	CN20112336981U 20110902	F16K21/16; F16K31/14; F24J2/46	BAOYAN XIE	Simple type automatic closing device of water filling of solar water heater
CN202402767U U 20120829	CN20112567154U 20111230	F16K31/20; F16K11/10; F16K33/00; F24J2/46	YUXI WANG	Overflow preventive valve for water storage tank of solar water heater
CN202402882U U 20120829	CN20112533827U 20111219	F16L55/134; F24J2/46	QINGDAO AUCMA SOLAR ENERGY TECHNOLOGY ENGINEERING CO LTD	Pipeline plugging device for liner pressure test and foaming air inflation of solar water heater
CN202403414U U 20120829	CN20112478367U 20111128	F24J2/00	JIANGXI TAIDOU ENERGY TECHNOLOGY CO LTD	Universal collective open type all- weather solar hot water hot source system
CN202403415U U 20120829	CN20112539499U 20111221	F24J2/00; F24J2/12; F24J2/40; F24J2/46; F24J2/48	UNIV HUAZHONG NORMAL	Solar energy heat utilization thermostatic control system based on flow control

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CN202403416U U 20120829	CN20112547910U 20111225	F24J2/00; F24H4/02; F24H9/00; F24J2/04	UNIV HENAN SCIENCE & TECH	Bathroom waste heat recovering type heat pump water heater
CN202403417U U 20120829	CN20122001431U 20120104	F24J2/00; F24J2/30	JINLIN WANG	Energy-saving solar water heater
CN202403418U U 20120829	CN20122006165U 20120109	F24J2/00; F24J2/04	SHAANXI YIFENG GREEN BUILDING MATERIALS CO LTD	Solar energy curing kiln
CN202403419U U 20120829	CN20122007892U 20120109	F24J2/00; F24J2/40; F24J2/46	ZHEJIANG GAODELE NEW ENERGY CO LTD	Photoelectric complementary solar water heater
CN202403420U U 20120829	CN20112487730U 20111130	F24J2/05; F24J2/46; F24J2/48; F24J2/51	CHUZHOU BOEN SOLAR ENERGY TECHNOLOGY CO LTD	Solar flat-plate heat collector
CN202403421U U 20120829	CN20122010316U 20120111	F24J2/05; F24J2/24; F24J2/40; F24J2/46	HELIAO XU	Novel transformation-type solar water heater system
CN202403422U U 20120829	CN20112563489U 20111229	F24J2/08	XUEZHI LIU	Solar product
CN202403423U U 20120829	CN20101579292 20101203; CN20112498547U 20111202	F24J2/10; F24J2/38; F24J2/46	KANG XUEHUI	Linear light condenser
CN202403424U U 20120829	CN20112513450U 20111212	F24J2/24; F24J2/46; F24J2/51	KEYI ZHANG	Arc-shaped solar water heater
CN202403425U U 20120829	CN20112350474U 20110919	F24J2/32; F24J2/05; F24J2/48	UNIV KUNMING SCIENCE & TECH	Novel vacuum tube solar energy heat pipe heat collector
CN202403426U U 20120829	CN20112375131U 20111008	F24J2/46; B08B3/02	UNIV KUNMING SCIENCE & TECH	Water-saving rain water cleaning system for vacuum tubes of solar water heater
CN202403427U U 20120829	CN20112418822U 20111028	F24J2/46; F24J2/48	WEIGUO YAO	Superconductive heat absorption sheet
CN202403428U U 20120829	CN20112435575U 20111107	F24J2/46	UNIV KUNMING SCIENCE & TECH	Water storage tank of energy- saving water heater
CN202403429U U 20120829	CN20112478426U 20111128	F24J2/46	JIANGXI TAIDOU ENERGY TECHNOLOGY CO LTD	Double-inner-container water tank of solar water heater

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CN202403430U U 20120829	CN20112509627U 20111209	F24J2/46	ZHIYU LI; GENGHONG LI; QIANG LI	Pressure-bearing structure of solar energy vacuum plate
CN202403431U U 20120829	CN20112509636U 20111209	F24J2/46	ZHIYU LI; GENGHONG LI; QIANG LI	Full glass coated single pipe group row
CN202403432U U 20120829	CN20112533428U 20111219	F24J2/46	QINGDAO AUCMA SOLAR ENERGY TECHNOLOGY ENGINEERING CO LTD	Heat-locking safety vent valve used for solar power
CN202403433U U 20120829	CN20112533575U 20111219	F24J2/46	QINGDAO AUCMA SOLAR ENERGY TECHNOLOGY ENGINEERING CO LTD	Locking structure for solar water heater
CN202403434U U 20120829	CN20112534187U 20111219	F24J2/46	QINGDAO AUCMA SOLAR ENERGY TECHNOLOGY ENGINEERING CO LTD	Novel solar water heater
CN202403435U U 20120829	CN20112579322U 20111206	F24J2/46; F24J2/40	XIN LU	Constant-temperature instant-heating split solar water tank
CN202403436U U 20120829	CN20112534343U 20111219	F24J2/52	QINGDAO AUCMA SOLAR ENERGY TECHNOLOGY ENGINEERING CO LTD	Support structure for solar water heater
CN202403437U U 20120829	CN20112530146U 20111216	F24J2/54	ZONGWEI ZHANG	Passive tracking holder for solar device
CN202403449U U 20120829	CN20112291067U 20110811	F25B29/00; F24J2/00; F24J3/08; F25B15/06	CITIC GENERAL INST OF ARCHITECTURAL DESIGN AND RES CO LTD	Natural energy ecological building cold/heat source system
CN202406664U U 20120905	CN20112538576U 20111221	A01G9/24; A23B7/04; F24J2/04	UNIV TIANJIN COMMERCE	Combination device for vegetable planting and processing center
CN202407041U U 20120905	CN20112466884U 20111122	A24B3/04; F24J2/00; F26B21/00	DONGGUAN ZHENGXU NEW ENERGY EQUIPMENT TECHNOLOGY CO LTD	Air energy and solar energy compound tobacco drying machine
CN202409916U U 20120905	CN20112129971U 20110428	A62C35/02; E04B1/74; F24J2/00	DUOPING HE; XUDONG HE	Multifunctional water house fireproofing and fire extinguishing system
CN202410637U U 20120905	CN20122006814U 20120109	B01J19/00; F24J2/02	YANGZHOU POLYTECHNIC INST	Solar heating reaction equipment

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CN202415268U U 20120905	CN20122030650U 20120131	C02F5/00; F24J2/46	WU QINGLONG	Scale preventing and removing energy-saving device of solar water heater
CN202416648U U 20120905	CN20122067880U 20120228	E04B2/88; E04D13/18; F24J2/05; F24J2/48	GUANGDONG AIDEWEI CONSTRUCTION GROUP CO LTD	Solar energy and building integrated glass curtain wall
CN202417227U U 20120905	CN20122020222U 20120117	E06B5/00; E06B1/70; E06B7/22; F24J2/24	BEIJING JIAYU DOOR WINDOW AND CURTAIN WALL JOINT STOCK CO LTD	Integrated corner type heat collection photothermal french window of photothermal building
CN202418717U U 20120905	CN20112494823U 20111202	F16K11/07; F16K31/126; F24J2/46	MAOYOU JIA	Solar emptying valve
CN202418842U U 20120905	CN20122013846U 20120113	F16K31/18; F24J2/46	SHENGLI QIN	Solar water heater emptying valve controlled by hydraulic pressure
CN202418844U U 20120905	CN20122008127U 20120110	F16K31/20; F24J2/46	XIANGFENG LI	Water full automatic stop valve of solar water heater
CN202419468U U 20120905	CN20122012811U 20120112	F21S11/00; F21V8/00; F24J2/00	ZHONGYANG MENG	Non-tracking solar focusing system
CN202419623U U 20120905	CN20112512396U 20111209	F22B1/00; F24J2/05; F24J2/26; F24J2/40	WUHAN YUNHE DINGYU REFRIGERATION TECHNOLOGY CO LTD	Evacuated solar collector tube vapor generator system
CN202419821U U 20120905	CN20112430192U 20111103	F24F5/00; F24J2/30; F24J2/32	HANWEI LIU	Solar air conditioner for bus
CN202419915U U 20120905	CN20112572626U 20111231	F24H9/00; F24J2/46	CHANGZHI LAI	Energy saving device of water heater
CN202419925U U 20120905	CN20122050033U 20120216	F24H9/00; F24J2/46	RUIJIE QIN	Water-saving device of water heater
CN202419939U U 20120905	CN20112378494U 20110922	F24J2/00; H02N6/00	ZHANGFU DING	Boiler applying sunlight and solar cell
CN202419940U U 20120905	CN20112478886U 20111128	F24J2/00; F24J2/24; F24J2/40; H02N6/00	XI AN CO MEN ELECTRONIC TECHNOLOGY CO LTD	Solar water heater utilizing photo-thermal and photoelectric technologies to reduce scales

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CN202419941U U 20120905	CN20112478887U 20111128	F24J2/00; F24J2/24; F24J2/40; H02N6/00	XI AN CO MEN ELECTRONIC TECHNOLOGY CO LTD	Solar water heater adopting photo-thermal or photoelectric technology to reduce scale
CN202419942U U 20120905	CN20112522749U 20111214	F24J2/00; F24J2/46; H02J7/00; H02N6/00	UNIV ZHEJIANG OCEAN	Power storage and supply device of solar water heater
CN202419943U U 20120905	CN20112525365U 20111215	F24J2/00; F24J2/24	NANJING ZHAOKAI NEW ENERGY TECHNOLOGY CO LTD	Solar/electric energy efficient energy-saving system
CN202419944U U 20120905	CN20112529581U 20111218	F24J2/00; F03D9/00; F24D15/04; F24D19/10; F24H4/04; F24J2/04	UNIV HUNAN SCI & TECHNOLOGY	Stirring type wind power heating solar air source heat-pump water heater
CN202419945U U 20120905	CN20112547906U 20111225	F24J2/00; F24J2/34	UNIV HENAN SCIENCE & TECH	Energy-saving heater
CN202419946U U 20120905	CN20112556147U 20111227	F24J2/00; F24J2/05; F24J2/24; F24J2/40; F24J2/46	KEXIANG WANG	Flow guide type light energy carbon-free heat supply device
CN202419947U U 20120905	CN20112571657U 20111231	F24J2/00; F24J2/24	GUANGDONG YUE JIA SOLAR ENERGY CO LTD	Vacuum tube separated pressure- bearing type solar hot water device with air source heat pump
CN202419948U U 20120905	CN20122010641U 20120111	F24J2/00; F24J2/40	JIANGSU XINRIYUAN BUILDING ENERGY EFFICIENCY TECHNOLOGY CO LTD	Solar water heater and heat- pump water heater integrated composite water heating system
CN202419949U U 20120905	CN20122013055U 20120112	F24J2/00; F24J2/04; F24J2/40; F24J2/46	SHENZHEN HUAYE ZHURI TECHNOLOGY CO LTD	Split pressure-bearing type solar water heating system with auxiliary heat source
CN202419950U U 20120905	CN20122015322U 20120112	F24J2/00; F24J2/46; H02N6/00	GUANGZHOU POEM OF LIGHT ENERGY TECHNOLOGY CO LTD	Solar photovoltaic and solar- thermal combined type water heater
CN202419951U U 20120905	CN20122027634U 20120120	F24J2/00; F24J2/46	YANXI SHEN	Self-circulation heat collector capable of guiding flow from right side and draining flow from left side

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CN202419952U U 20120905	CN20112565756U 20111229	F24J2/04; F24J2/40	POLAR NEW ENERGY BENGBU CO LTD	Solar water circulation heating device
CN202419953U U 20120905	CN20112504513U 20111207	F24J2/05; F24J2/24; F24J2/30; F24J2/40; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Antifreezing solar water heater
CN202419954U U 20120905	CN20112504788U 20111207	F24J2/05; F24J2/10; F24J2/24; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Portable solar water heater
CN202419955U U 20120905	CN20112543372U 20111222	F24J2/05; F24J2/24; F24J2/30; F24J2/46; F24J2/48; F24J2/50; F24J2/51	LIU JUN	Self-circulation pressure-bearing type flat plate solar collector system
CN202419956U U 20120905	CN20112544027U 20111222	F24J2/05; F24J2/46; F24J2/48	LUOYANG WEIQI SOLAR ENERGY TECHNOLOGY CO LTD	Simple solar water heater
CN202419957U U 20120905	CN20112546614U 20111223	F24J2/05; F24J2/24; F24J2/46; F24J2/50	SHANDONG SEA NADE SOLAR ENERGY CO LTD	Solar water heater with separated tube-in-sheet collector and double-liner water tank
CN202419958U U 20120905	CN20122003326U 20120106	F24J2/05; F24J2/24; F24J2/46; F24J2/48	QINGDAO KUWATANI SUNSHINE ENERGY TECHNOLOGY CO LTD	Solar thermal collecting module and system
CN202419959U U 20120905	CN20122011059U 20120111	F24J2/05; F24J2/26; F24J2/46; F24J2/48; F24J2/50	DEGUANG GAO	Plate-type solar thermal collector
CN202419960U U 20120905	CN20122027397U 20120120	F24J2/08; F24J2/46; F24J2/51	YANXI SHEN	Matrix solar water boiler
CN202419961U U 20120905	CN20122027646U 20120120	F24J2/08; F24J2/51	YANXI SHEN	Solar energy water boiler
CN202419962U U 20120905	CN20112490133U 20111129	F24J2/10; F24J2/38; F24J2/46	SHENZHEN YANGNENG TECHNOLOGY CO LTD	Solar bundling condensation control system
CN202419963U U 20120905	CN20112504511U 20111207	F24J2/10; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Wall-mounted solar water heater
CN202419964U U 20120905	CN20112511167U 20111209	F24J2/10; F24J2/38; F24J2/46	SHENZHEN YANGNENG TECHNOLOGY CO LTD	Solar cluster light-gathering control system

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CN202419965U U 20120905	CN20112552072U 20111226	F24J2/10; F24J2/38; F24J2/46	SHENZHEN YANGNENG TECHNOLOGY CO LTD	Solar clustered condensation control system
CN202419966U U 20120905	CN20112514305U 20111212	F24J2/12; F24J2/24; F24J2/34; F24J2/46; F24J2/54	RAYSPower NEW ENERGY CO LTD	Solar-energy optical-heating groove type large-opening double-layer parabola efficient heat collector
CN202419967U U 20120905	CN20112479385U 20111113	F24J2/15; F03G6/06	HUAYANG YU	Receiver of tower type solar thermal power station
CN202419968U U 20120905	CN20112363571U 20110926	F24J2/20; F24J2/05; F24J2/34; F24J2/46	UNIV BEIJING; BEIJING GREEN SHANGDA TECHNOLOGY CO LTD	Flat plate type solar air heat collector
CN202419969U U 20120905	CN20122007887U 20120110	F24J2/20; F24J2/46	SHANDONG SANGLE SOLAR ENERGY CO LTD	Flat-plate solar collector capable of balancing internal atmospheric pressure and external atmospheric pressure
CN202419970U U 20120905	CN20112452798U 20111104	F24J2/24	HUAYANG YU	Tower type receiver for solar thermal power station
CN202419971U U 20120905	CN20112504750U 20111207	F24J2/24; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar water heater
CN202419972U U 20120905	CN20122028416U 20120117	F24J2/24; F24J2/46	ZHENJIANG QIZHENG NEW ENERGY CO LTD	Square-pipe-type solar heat collector
CN202419973U U 20120905	CN20112504806U 20111207	F24J2/30; F24J2/05; F24J2/24; F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Anti-scale solar water heater
CN202419974U U 20120905	CN20112570237U 20111231	F24J2/30	HEZE JINCANG PRESSURE CONTAINER CO LTD	Heating device with enamel liner and light wave solar inner coiled pipe
CN202419975U U 20120905	CN20122056865U 20120213	F24J2/30	JIFU XU	Wall-mounted solar water heater
CN202419976U U 20120905	CN20122057570U 20120213	F24J2/30; F24J2/46	JIFU XU	Split type solar water heater
CN202419977U U 20120905	CN20112506549U 20111208	F24J2/34; B01J19/00; C23C22/05; F24J2/42; F24J2/46	WUJIANG YUNFENG METAL SHARE PARTS COATING CO LTD	Solar coating pretreatment groove

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CN202419978U U 20120905	CN20122034560U 20120203	F24J2/34	WANG XIANNV	Novel water heater
CN202419979U U 20120905	CN20112324525U 20110901	F24J2/46	SHUMING QIU	Semi-automatic solar evacuation system
CN202419980U U 20120905	CN20112453810U 20111116	F24J2/46	YONGWEI HUANG	Jacketed water tank
CN202419981U U 20120905	CN20112470562U 20111123	F24J2/46	SHANDONG YIJIANENG SOLAR ENERGY CO LTD	Anti-overheating device for solar thermal collector
CN202419982U U 20120905	CN20112478871U 20111128	F24J2/46; F24J2/40	XI AN CO MEN ELECTRONIC TECHNOLOGY CO LTD	Evacuation and recovery device for solar water heater pipeline
CN202419983U U 20120905	CN20112478898U 20111128	F24J2/46	XI AN CO MEN ELECTRONIC TECHNOLOGY CO LTD	Solar cell power supply heat transfer tape
CN202419984U U 20120905	CN20112478899U 20111128	F24J2/46	XI AN CO MEN ELECTRONIC TECHNOLOGY CO LTD	Flat-plate type solar heat-conducting joint
CN202419985U U 20120905	CN20112485929U 20111129	F24J2/46	DONGGUAN XINDONG RUBBER PLASTIC HARDWARE CO LTD	Solar thermal collection pad
CN202419986U U 20120905	CN20112498426U 20111203	F24J2/46	DONGSHENG CAI	Unpressurized water tank operating under pressure
CN202419987U U 20120905	CN20112500201U 20111206	F24J2/46	BOLUN ZHANG	Freeze protection auxiliary heater for pipeline of solar water heater
CN202419988U U 20120905	CN20112504466U 20111207	F24J2/46; B32B1/08; B32B9/04; B32B15/04; B32B15/20; B32B17/06; C23C14/06; C23C14/34; F24J2/48	SHANDONG LINUO SOLAR THERMAL GROUP CO LTD	Black steel solar heat collection pipe
CN202419989U U 20120905	CN20112504575U 20111207	F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar heat insulation water tank
CN202419990U U 20120905	CN20112504577U 20111207	F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar anti-freezing pipeline

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CN202419991U U 20120905	CN20112504676U 20111207	F24J2/46; F24J2/40	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	High-efficiency solar temperature preservation water tank
CN202419992U U 20120905	CN20112504724U 20111207	F24J2/46; F24J2/40	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Solar water heater cleaning device
CN202419993U U 20120905	CN20112504853U 20111207	F24J2/46	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	Water-saving solar water heater
CN202419994U U 20120905	CN20112512397U 20111209	F24J2/46; F24J2/48	WUHAN YUNHE DINGYU REFRIGERATION TECHNOLOGY CO LTD	Inner-condensation heat pipe type vacuum solar heat-collecting tube
CN202419995U U 20120905	CN20112512398U 20111209	F24J2/46	WUHAN YUNHE DINGYU REFRIGERATION TECHNOLOGY CO LTD	U-shaped vacuum glass pipe for generating high-temperature hot water or steam
CN202419996U U 20120905	CN20112515926U 20111212	F24J2/46	SHANDONG SANGLE SOLAR ENERGY CO LTD	Flat-plate solar collector runner structure and flat-plate solar collector
CN202419997U U 20120905	CN20112523883U 20111215	F24J2/46	GUANGXI JIKUAN SOLAR ENERGY EQUIPMENT CO LTD	Remained water discharging device of solar water heater
CN202419998U U 20120905	CN20112523888U 20111215	F24J2/46; F24J2/00; F24J2/40	GUANGXI JIKUAN SOLAR ENERGY EQUIPMENT CO LTD	Remained water circulation device for solar water heater
CN202419999U U 20120905	CN20112534287U 20111219	F24J2/46; F24J2/48	BEIJING HENENG TONGYUAN TECHNOLOGY CO LTD	Space composite energy collecting plate
CN202420000U U 20120905	CN20112538254U 20111221	F24J2/46; C02F1/48	GUIZHOU LVKANENG TECHNOLOGY CO LTD	Clean type water tank of solar water heater
CN202420001U U 20120905	CN20112555610U 20111227	F24J2/46	KEXIANG WANG	Special-shape self-locking solar heat collecting tube
CN202420002U U 20120905	CN20122017994U 20120116	F24J2/46	UNIV KUNMING SCIENCE & TECH; YUNNAN DINGRUI SOLAR ENERGY ENGINEERING CO LTD	Border of solar air heat collector
CN202420003U U 20120905	CN20122021918U 20120118	F24J2/46; F24J2/40	ZHONGZHI LV	Temperature control water feed device of solar water heater
CN202420004U U 20120905	CN20112572634U 20111231	F24J2/51	XINLING LAI	Solar water heater descaling device

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CN202420005U U 20120905	CN20112567099U 20111230	F24J2/52	HUAIAN DINGSHENG SOLAR ENERGY CO LTD	Integral support for multi groups of heat collectors of solar water heater
CN202420006U U 20120905	CN20112567115U 20111230	F24J2/52	HUAIAN DINGSHENG SOLAR ENERGY CO LTD	Holder for down-hung heat collecting device of solar water heater
CN202420007U U 20120905	CN20122041524U 20120208	F24J2/52	XIAMEN HOPERGY PHOTOVOLTAIC TECHNOLOGY CO LTD	Solar energy stand fixed seat
CN202420008U U 20120905	CN20112504810U 20111207	F24J2/54; F24J2/40	SUZHOU TONGJI MATERIALS TECHNOLOGY CO LTD	High-efficiency solar water heater
CN202420009U U 20120905	CN20112511135U 20111209	F24J2/54	SHENZHEN YANGNENG TECHNOLOGY CO LTD	Solar bundling condensation support device
CN202420124U U 20120905	CN20112507083U 20111208	F26B9/10; F24J2/00; F26B21/00	CHENGDU DONGHE INDUSTRY CO LTD; CHENGDU YINLILAI THERMAL ENERGY ENVIRONMENTAL PROT EQUIPMENT MFG CO LTD	Solar hot-water circulating, heating and drying device
CN202421604U U 20120905	CN20112520956U 20111214	G02B19/00; F24J2/12; F24J2/52; G02B7/182; G02B7/185	UNIV YUNNAN NORMAL	Two-dimensional adjustable solar groove type converging lens
CN202425390U U 20120912	CN20122051298U 20120216	A01G9/24; F24J2/05; F24J2/24; F24J2/48; F24J2/50	XINJIANG JINGUANYUAN AGRICULTURAL TECHNOLOGY CO LTD	Heat collection device and solar energy comprehensive greenhouse utilizing same
CN202430878U U 20120912	CN20112528956U 20111216	E04B7/02; F24J2/05; F24J2/24; F24J2/46; F24J2/48	LUOYANG TIANZHAO NEW ENERGY SCIENCE & TECHNOLOGY CO LTD	Sloping roof structure of solar low-carbon house
CN202432424U U 20120912	CN20122007325U 20120109	F21S11/00; F21V8/00; F24J2/00	FEI YUAN	Indoor sunlight collecting device
CN202432712U U 20120912	CN20112519760U 20111212	F24J2/00; F24J2/40; F24J2/46	HUIZHOU DAWA TECHNOLOGY CO LTD	Solar heat pump water heater

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CN202432713U U 20120912	CN20112535995U 20111220	F24J2/00; F24J2/05; F24J2/46; F24J2/50	NINGBO JIANGBEI ZHONGHE TECHNOLOGY DEV CO LTD	Box separation type vacuum solar water heater
CN202432714U U 20120912	CN20112537641U 20111220	F24J2/00; F03D9/00; F24J2/05; F24J2/32; F24J2/46	ZHIYU LI	Wind-solar hybrid water heater
CN202432715U U 20120912	CN20122019605U 20120116	F24J2/02	SONGSHUN XU; CHANGZHOU NANZHOU NEW ENERGY RES AND DEV CT CO LTD	High-temperature oil pipe type indoor solar cooker
CN202432716U U 20120912	CN20112480601U 20111128	F24J2/05; F24J2/50	CHANGZHOU BOSHI NEW ENERGY SCIENCE AND TECHNOLOGY CO LTD	Case cover glass for solar thermal collector
CN202432717U U 20120912	CN20112547184U 20111223	F24J2/05; F24J2/26; F24J2/46; F24J2/50; F24J2/51; F24J2/52	SIJI MUGE LUOYANG SOLAR ENERGY CO LTD	Portable solar water heater
CN202432718U U 20120912	CN20122001825U 20120105	F24J2/05; F24J2/24; F24J2/46	SIJIMUGE LUOYANG SOLAR ENERGY CO LTD	Stereoscopic spiral evacuated- tube collector
CN202432719U U 20120912	CN20122033335U 20120131	F24J2/05; F24J2/08; F24J2/38; F24J2/46	ZHIJUN XIA	Low-radiation solar water heating system
CN202432720U U 20120912	CN20122036116U 20120206	F24J2/05; F24J2/34; F24J2/48; F24J2/51	ZHUHAI SINGYES GREEN BUILDING TECHNOLOGY CO LTD; HUNAN SINGYES SOLAR TECHNOLOGIES HOLDING LTD; ZHUHAI SINGYES RENEWABLE ENERGY TECHNOLOGY CO LTD; ZHUHAI SINGYES PHOTOELECTRIC TECHNOLOGY CO LTD	Heat collection and accumulation integrated water heater
CN202432721U U 20120912	CN20112546197U 20111223	F24J2/08; H02J7/00	UNIV SHANGHAI DIANJI	Solar water-heating and generating all-in-one machine
CN202432722U U 20120912	CN20122005216U 20120105	F24J2/22; F24J2/46	UNIV SOUTH CHINA TECH	Air and water combined heat collector
CN202432723U U 20120912	CN20112513365U 20111209	F24J2/30; F24J2/46	WENHU WANG; WEIDONG JIN	Coaxially-sleeved double-loop vacuum tubular solar collector

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CN202432724U U 20120912	CN20112579480U 20111217	F24J2/30	WENZHENG ZHANG	Solar heat collector
CN202432725U U 20120912	CN20112558176U 20111228	F24J2/38	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Solar heat collecting plate capable of adjusting direction automatically
CN202432726U U 20120912	CN20122034182U 20120120	F24J2/40	JIAXIANG LIU	Integrated automatic water separator in solar water heating engineering
CN202432727U U 20120912	CN20112433091U 20111104	F24J2/46	DOWELL NEW ENERGY WUHU CO LTD	End cover for water tank of solar water heater
CN202432728U U 20120912	CN20112513321U 20111209	F24J2/46	WENHU WANG	Vacuum tube solar collector with safety net protection structure
CN202432729U U 20120912	CN20112513325U 20111209	F24J2/46	WENHU WANG	Vacuum tube wall-mounted solar water heater capable of replenishing fluid automatically
CN202432730U U 20120912	CN20112534990U 20111220	F24J2/46	DALIAN SUN LEADER HEAT TRANSFER TECHNOLOGY CO LTD	Tunnel type solar heat collector flow passage
CN202432731U U 20120912	CN20112552032U 20111221	F24J2/46	WENZHENG ZHANG	Solar thermal collector
CN202432732U U 20120912	CN20112558019U 20111228	F24J2/46; F24J2/38	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Solar collector panel with direction self-adjusting function
CN202432733U U 20120912	CN20112567987U 20111230	F24J2/46; F24H9/00	SINOYIN SOLARES CO LTD	Rapid heating water box combined with flat plate collector
CN202432734U U 20120912	CN20112573126U 20111231	F24J2/46	SHANDONG KEN ENG SOLAR ENERGY TECHNOLOGY CO LTD	Novel solar water sunning pipe
CN202432735U U 20120912	CN20112573153U 20111231	F24J2/46	SHANDONG KEN ENG SOLAR ENERGY TECHNOLOGY CO LTD	Novel three-cavity high-efficiency heat collection tube
CN202432736U U 20120912	CN20112573516U 20111231	F24J2/46	SHANDONG KEN ENG SOLAR ENERGY TECHNOLOGY CO LTD	Double-cavity solar heat preservation container

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CN202432737U U 20120912	CN20112574778U 20111231	F24J2/46	SHANDONG KEN ENG SOLAR ENERGY TECHNOLOGY CO LTD	Three-cavity light-gathering efficient heat-collection pipe
CN202432738U U 20120912	CN20122057545U 20120210	F24J2/46	SHANDONG JINGPU SOLAR ENERGY SCIENCE & TECHNOLOGY CO LTD	Novel anticorrosive flat-plate solar panel core
CN202432739U U 20120912	CN20122057552U 20120210	F24J2/46; F24J2/51	SHANDONG JINGPU SOLAR ENERGY SCIENCE & TECHNOLOGY CO LTD	Anti-freezing solar water tank
CN202432740U U 20120912	CN20112460345U 20111118	F24J2/52	DONGGUAN CAMDA GENERATOR WORK CO LTD	Heat collecting tube support
CN202432741U U 20120912	CN20112573604U 20111231	F24J2/52	SHANDONG KEN ENG SOLAR ENERGY TECHNOLOGY CO LTD	Solar panel with adjustable angle
CN202436835U U 20120919	CN20122059371U 20120216	A47J27/00; A47J36/24; A47J36/36; F24J2/02	GUOMEI LAN	Solar light-collecting cooking pot
CN202440421U U 20120919	CN20122029106U 20120114	C03B23/057; F24J2/46	WEILI LIANG; FUGUI ZHOU	Automatic vacuum electric sealing-off device of heat collecting tube
CN202441945U U 20120919	CN20122070007U 20120229	F16K24/04; F24J2/46	TIANJIN JINRUNTIAN SOLAR ENERGY TECHNOLOGY CO LTD	Exhaust valve for flat solar energy collector
CN202442491U U 20120919	CN20122064160U 20120223	F24H4/02; F24J2/00	BEIJING INST CIVIL ENG & ARCH	Domestic wastewater waste heat utilization device
CN202442493U U 20120919	CN20122027587U 20120120	F24H4/04; F24H9/00; F24J2/00	YANXI SHEN	Solar different poly states heat-utilization system
CN202442505U U 20120919	CN20122052310U 20120217	F24H9/20; F24J2/40	XUANMING LIAO	Water outlet control device for rapid energy-saving water heater
CN202442507U U 20120919	CN20112478757U 20111128	F24J2/00; F24J2/34; F24J2/46	QINGHONG YANG	A multi-function solar water heater
CN202442508U U 20120919	CN20112515173U 20111212	F24J2/00	UNIV XIANGFAN	Solar-energy electric water heater powered by solar cell

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CN202442509U U 20120919	CN20122054728U 20120220	F24J2/00	XIANGZHEN ZHU	Water heating device for solar water heater
CN202442510U U 20120919	CN20122069943U 20120229	F24J2/00	BEIJING HUIZHI ZHONGXIN TECHNOLOGY CO LTD	Solar energy-fire coal hot water boiler
CN202442511U U 20120919	CN20122040145U 20120206	F24J2/04; C02F1/14	SHANDONG SHANDONG UNIVERSITY ENERGY ENVIRONMENT CO LTD	Centralized coproduction device for preparing hot water and pure water with solar energy
CN202442512U U 20120919	CN20122039342U 20120131	F24J2/05; F24J2/10; F24J2/24	GUOMEI LAN	Multipurpose water boiler
CN202442513U U 20120919	CN20122052917U 20120217	F24J2/05; F24J2/10; F24J2/24; F24J2/32	NANJING NANZHOU NEW ENERGY RES & DEV CO LTD; SONGSHUN XU	Solar vacuum tube thermoelectric integration device
CN202442514U U 20120919	CN20122054035U 20120220	F24J2/05; F24J2/32; F24J2/46; H02N6/00	NANJING NANZHOU NEW ENERGY RES & DEV CO LTD; SONGSHUN XU	Solar hollow glass pipe thermoelectric integrated device
CN202442515U U 20120919	CN20122074709U 20120302	F24J2/05; F24J2/24	LIXIAN HONG	Composite solar vacuum heat collector
CN202442516U U 20120919	CN20122047723U 20120214	F24J2/06; F24J2/24; F24J2/34	INST ENG THERMOPHYSICS CAS	Indirect intermediate temperature solar thermochemical energy storing device based on chemical-looping combustion
CN202442517U U 20120919	CN20122027641U 20120120	F24J2/08; F24J2/46	YANXI SHEN	Light-gathering device of solar water boiler
CN202442518U U 20120919	CN20122061724U 20120224	F24J2/08; F24J2/34; F24J2/38	ZHONGXIN YAN	Ball-type focusing solar energy collecting system
CN202442519U U 20120919	CN20122028077U 20120123	F24J2/10; H02N6/00	HARBIN GOODTIME ELECTRONICS CO LTD	Solar energy utilization device
CN202442520U U 20120919	CN20112467918U 20111123	F24J2/16	KESEN YUE	Solar thermal collector of front-overlying multiple solar energy
CN202442521U U 20120919	CN20122066729U 20120223	F24J2/24; F24J2/46; F24J2/51	LEI WU	Solar fan heater
CN202442522U U 20120919	CN20122074512U 20120302	F24J2/24; F24J2/46	HELIAO XU	Vacuum-tube heat collector with quick heat-exchange function

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CN202442523U U 20120919	CN20122089944U 20120303	F24J2/24; F24J2/10; F24J2/48	HONGLIN HUA	Dual-layer glass tube flat plate type solar water heater
CN202442524U U 20120919	CN20122043497U 20120211	F24J2/34	DABIAO CHENG	Deformed energy storage device
CN202442525U U 20120919	CN20122067721U 20120228	F24J2/34; F24J2/40; F24J2/46	HELIAO XU	Novel replacement heat exchange solar water heater
CN202442526U U 20120919	CN20122044816U 20120213	F24J2/40	AIPING ZHANG	Control circuit of solar water heater
CN202442527U U 20120919	CN20112469230U 20111123	F24J2/46	YANG XU	Vacuum-tube solar heat-collection plate
CN202442528U U 20120919	CN20112510286U 20111209	F24J2/46	HONGSHENG SUI	Residual water collection device for antifreezing and water-saving solar water heater
CN202442529U U 20120919	CN20112576951U 20111230	F24J2/46	BINZHOU UNIVERSITY	Solar pipeline antifreezing and water-saving device
CN202442530U U 20120919	CN20112579687U 20111223	F24J2/46; F24H9/00	GUANGCAI ZHANG	Device capable of quickly discharging hot water from hot water storage tank
CN202442531U U 20120919	CN20122019506U 20120116	F24J2/46; H01L31/048	SONGSHUN XU; CHANGZHOU NANZHOU NEW ENERGY RES DEV CT CO LTD	Multifunctional adjustable framework of solar device
CN202442532U U 20120919	CN20122043498U 20120211	F24J2/46	DABIAO CHENG	Solar multipath heat exchanging device
CN202442533U U 20120919	CN20122052638U 20120219	F24J2/46	XUEDONG MAO	Pressure-bearing, sealing and heat-preservation connecting sleeve of solar heat-collecting pipe
CN202442534U U 20120919	CN20122055682U 20120221	F24J2/46	NINGBO SACON WATER HEATER CO LTD	Isolation connector used on copper coil water tank
CN202442535U U 20120919	CN20122061368U 20120224	F24J2/46; F24J2/50	TIANJIN CITY TAIYANGSHEN TECHNOLOGY CO LTD	Surface structure of heat absorbing stainless steel tube of solar energy collecting tube

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CN202442536U U 20120919	CN20122061369U 20120224	F24J2/46; F24J2/48	TIANJIN CITY TAIYANGSHEN TECHNOLOGY CO LTD	Medium-high-temperature vacuum solar collector tube with double-layer vacuum heat insulation sleeve
CN202442537U U 20120919	CN20122064093U 20120227	F24J2/46	JIMIN TU	Water-saving four-function compact type solar water heater
CN202442538U U 20120919	CN20122076273U 20120304	F24J2/46	CHUNWANG WEI	Improved exhausting, liquid adding and expanding triple- function tank for heating loop of solar water heater
CN202442539U U 20120919	CN20122078149U 20120305	F24J2/46	YUMIN TANG; HONGWEI YU	Solar panel with transverse combining sites
CN202442540U U 20120919	CN20122027415U 20120120	F24J2/51	YANXI SHEN	Thermal-insulation ring for solar water boiler
CN202442541U U 20120919	CN20122078219U 20120305	F24J2/51	YUMIN TANG; HONGWEI YU	Vacuum insulation device of heat collector
CN202442542U U 20120919	CN20122030279U 20120120	F24J2/52	SHUANJUN WANG	Improved solar cooker fixing support
CN202442543U U 20120919	CN20122045088U 20120208	F24J2/52	XIAMEN HOPERGY PHOTOVOLTAIC TECHNOLOGY CO LTD	Foldable solar bracket
CN202442620U U 20120919	CN20122056554U 20120221	F28D20/02; F24J2/34	JIANGSU PIONEER ENERGY CO LTD	Phase-transformation heat accumulation element
CN202443160U U 20120919	CN20122077389U 20120305	G02B7/198; F24J2/10; F24J2/52; G02B7/185	NANJING SCİYON AUTOMATION GROUP CO LTD	Bonded-connection shape- adjustment device for reflector of heliostat
CN202448413U U 20120926	CN20112563746U 20111229	B32B17/06; B32B9/04; B32B15/04; F24J2/50	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Ultra-white glass baffle with infrared reflection coating and antireflection film
CN202449886U U 20120926	CN20122074062U 20120228	C02F1/42; F24J2/46	FUYANG GUANGZHAO SOLAR ENERGY TECHNOLOGY CO LTD	Split type water-softening filtering device of solar water heater

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CN202450674U U 20120926	CN20122071856U 20120229	E04B2/88; F24J2/20	SHANGHAI GAOXIN ALUMINUM ENGINEERING CO LTD	Photo-thermal curtain wall system
CN202451380U U 20120926	CN20122073408U 20120301	F03G6/06; F24J2/24; F24J2/46	LIGHT SOURCE INDUSTRY ISRAEL CO LTD	Central tower type power station and boiler thereof
CN202451914U U 20120926	CN20122032566U 20120119	F16K17/24; F16K1/18; F24J2/46	UNIV ZHEJIANG NORMAL	Automatic control valve for solar water heater
CN202451924U U 20120926	CN20122020134U 20120111	F16K27/00; B01D35/04; F24J2/46	GUANGQUAN LI	Solar water heater emptying valve provided with filtering screen assembly
CN202452499U U 20120926	CN20112576026U 20111226	F23G5/027; F23G5/04; F23G5/12; F23G5/24; F23G5/44; F23G5/46; F24J2/08	FUZHOU GENGYUN PATENT DEV CO LTD; GUOSHUI LI	Sunlight focusing refuse burning device
CN202452710U U 20120926	CN20112513127U 20111212	F24J2/00	WUHU CHENXI BUILDING MATERIAL TECHNOLOGY CO LTD	Wall-mounted solar water heater
CN202452711U U 20120926	CN20112560376U 20111229	F24J2/00; F24J2/40	JIANGSU LIYUAN SOLAR ENERGY CO LTD	Separated type solar water heater
CN202452712U U 20120926	CN20122000893U 20120104	F24J2/00; F24J2/24; F24J2/40	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Centralized solar water heating system
CN202452713U U 20120926	CN20122000901U 20120104	F24J2/00; F24J2/04; F24J2/30; F24J2/40	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Balcony wall-mounted solar water heater
CN202452714U U 20120926	CN20122000999U 20120104	F24J2/00; F24J2/30; F24J2/46	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Solar energy coil tube type water tank
CN202452715U U 20120926	CN20122025467U 20120120	F24J2/00; F24J2/02; F24J2/46	JINGTIAN ZHAO	Solar oven having electromagnetic oven heating and automatic reverse functions
CN202452716U U 20120926	CN20122068676U 20120220	F24J2/00; F24J2/40; F24J2/46	JUNJIE ZHUO	Photoelectric complementary solar water heater

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CN202452717U U 20120926	CN20122046768U 20120214	F24J2/02; F24J2/13; F24J2/30; F24J2/54	HARBIN HUAMEI YIFENG COMPOUND MATERIALS CO LTD	Solar concentrating, tracking and heating system
CN202452718U U 20120926	CN20122001010U 20120104	F24J2/04; F24J2/24; F24J2/30; F24J2/40; F24J2/46	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Superconduction pressure- bearing fission type solar water heater
CN202452719U U 20120926	CN20122001009U 20120104	F24J2/05; F24J2/26; F24J2/30	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Solar U-shaped tube collector
CN202452720U U 20120926	CN20122005636U 20120109	F24J2/05; F24J2/24; F24J2/46; F24J2/48; F24J2/50	WUHU BEST NEW ENERGY DEV CO LTD	Efficient flat-plate solar heat collector
CN202452721U U 20120926	CN20122027965U 20120121	F24J2/05; F24J2/24; F24J2/46; F24J2/48; F24J2/51; H02N6/00	UNIV YANGZHOU	Concentric-circle type photo- thermal photovoltaic conversion vacuum glass pipe heat collecting system
CN202452722U U 20120926	CN20122035953U 20120206	F24J2/05; F24J2/24; F24J2/46; F24J2/52	XIANG ZHANG	Guardrail-type solar water heater
CN202452723U U 20120926	CN20122047846U 20120215	F24J2/05; F24J2/20; F24J2/48	YAN JUN	Metallurgical slag-sprayed solar thermal collector
CN202452724U U 20120926	CN20122066733U 20120220	F24J2/05; F24J2/24; F24J2/34; F24J2/48	JUNJIE ZHUO	Fan heater
CN202452725U U 20120926	CN20122067428U 20120222	F24J2/05; F24J2/24; F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Vacuum-intubation solar heat collector with smaller gaps of row holes on header shell
CN202452726U U 20120926	CN20122008340U 20120110	F24J2/06; F24J2/46; F24J2/52	SHUPENG JIAO	Solar water boiler
CN202452727U U 20120926	CN20122031278U 20120201	F24J2/24; F24J2/46	LINZHI WANG; LI HE	Single tube solar water heater
CN202452728U U 20120926	CN20122078049U 20120305	F24J2/24; F24F5/00; F24J2/46	JIANGSU CHUANGLAN SOLAR AIR CONDITIONER CO LTD	Energy-efficient solar flat plate heat collector and solar air conditioner
CN202452729U U 20120926	CN20112560344U 20111229	F24J2/40	JIANGSU LIYUAN SOLAR ENERGY CO LTD	Non-pressure-bearing type solar water heater

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CN202452730U U 20120926	CN20122052141U 20120217	F24J2/40	DEHUA LI	Hot water direct supply device of solar water heater
CN202452731U U 20120926	CN20112448478U 20111114	F24J2/46; F24J2/51	JIANZHONG MEI	Low-heat loss temperature preservation water tank
CN202452732U U 20120926	CN20112514073U 20111212	F24J2/46; B01D29/03; B01D29/58; B01D35/02; F24J2/00	WUHU CHENXI BUILDING MATERIAL TECHNOLOGY CO LTD	Built-in automatic water feeding filter
CN202452733U U 20120926	CN20112514137U 20111212	F24J2/46; F24J2/51	WUHU CHENXI BUILDING MATERIAL TECHNOLOGY CO LTD	Heat preservation barrel of solar water heater
CN202452734U U 20120926	CN20112529462U 20111217	F24J2/46	JIAXING CITY TJSUN NEW ENERGY CO LTD	Down-exhaust solar water heater water storage tank
CN202452735U U 20120926	CN20112555512U 20111228	F24J2/46	JIAZHAO WANG	Water-full self-closing anti-freezing switch of solar water heater
CN202452736U U 20120926	CN20112560364U 20111229	F24J2/46	JIANGSU LIYUAN SOLAR ENERGY CO LTD	Detachable collector of solar water heater
CN202452737U U 20120926	CN20112569537U 20111230	F24J2/46; F28F1/36	WUHU BEST NEW ENERGY DEV CO LTD	Solar heat exchanger
CN202452738U U 20120926	CN20122000903U 20120104	F24J2/46	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Internal exhausting solar water tank
CN202452739U U 20120926	CN20122000904U 20120104	F24J2/46; F24J2/00	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Interlayer type solar energy water tank
CN202452740U U 20120926	CN20122040121U 20120206	F24J2/46; F24J2/48	YUNNAN YUXI TAIBIAO SOLAR ENERGY EQUIPMENT CO LTD	Molecular-level ultrahigh-vacuum solar heat collection tube
CN202452741U U 20120926	CN20122061386U 20120215	F24J2/46	WENFENG LI	Solar pipeline antiicer

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CN202452742U U 20120926	CN20122067374U 20120222	F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Heat insulation water tank of vacuum-intubation solar water heater with smaller clearances among exhaust holes of heat insulation layer
CN202452743U U 20120926	CN20122067436U 20120222	F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Vacuum intubation tube solar heat collector with small row hole gap of header heat insulating layer
CN202452744U U 20120926	CN20122067439U 20120222	F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Vacuum intubation solar water heater with small row hole clearances of water tank heat insulation layer
CN202452745U U 20120926	CN20122067463U 20120222	F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Vacuum insertion pipe type solar thermal collector header with small casing row-hole gaps
CN202452746U U 20120926	CN20122067472U 20120222	F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Evacuated intubation tube type solar water heater thermal insulating water tank with small shell exhaust hole intervals
CN202452747U U 20120926	CN20122074049U 20120228	F24J2/46	FUYANG GUANGZHAO SOLAR ENERGY TECHNOLOGY CO LTD	Water tank of solar water heater
CN202452748U U 20120926	CN20122074065U 20120228	F24J2/46	FUYANG GUANGZHAO SOLAR ENERGY TECHNOLOGY CO LTD	Auxiliary heating device of solar water heater water tank
CN202452749U U 20120926	CN20122075918U 20120302	F24J2/46	QINGJUN CHEN	Fully-automatic emptying solar water heater
CN202452750U U 20120926	CN20112570801U 20111231	F24J2/52; H01L31/042	JIANGSU BAOLI HEAVY INDUSTRY TECHNOLOGY CO LTD	I-steel for solar steel structure bracket
CN202452751U U 20120926	CN20122001580U 20120104	F24J2/52	CHANGZHOU OUBEI SOLAR ENERGY TECHNOLOGY CO LTD	Bracket of solar water heater

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CN202452752U U 20120926	CN20122005673U 20120109	F24J2/52	WUHU BEST NEW ENERGY DEV CO LTD	Bracket for solar water heater
CN202452753U U 20120926	CN20112562396U 20111229	F24J2/54	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Line focusing reflecting support device capable of carrying out micro arc adjustment
CN202454567U U 20120926	CN20122027966U 20120121	H01L31/04; C03B23/207; F24J2/46	UNIV YANGZHOU	Concentric vacuum light heat and light electricity conversion glass tube
CN202467256U U 20121003	CN20122052593U 20120218	E04H4/12; F24J2/42	QINYONG YU	Solar constant temperature system of swimming pool
CN202469162U U 20121003	CN20122088695U 20120304	F16K31/06; F24J2/46	CHAILING YAN	Solar electromagnetic anti- freezing emptying valve
CN202469223U U 20121003	CN20122100500U 20120317	F16K51/00; F24J2/46	YAFANG WANG	Solar tap with water level indicator
CN202469309U U 20121003	CN20122054038U 20120217	F16L27/10; F16L39/04; F16L59/065; F24J2/46	BEIJING ZHAOYANG ENERGY TECHNOLOGY CO LTD	Flexible connection device for pipeline
CN202470185U U 20121003	CN20122084597U 20120308	F24D1/02; F24D12/02; F24D19/10; F24J2/00	SHANDONG LINUO PARADIGMA CO	Solar industrial heat utilization system
CN202470211U U 20121003	CN20112528647U 20111215	F24D17/00; F24D19/10; F24J2/00	ZHUHAI INVERTER ELECTRONIC TECHNOLOGY CO LTD	Solar energy heat pump hot water system
CN202470213U U 20121003	CN20122052591U 20120218	F24D17/00; F24D19/10; F24J2/00; F24J2/04; F24J2/40	QINYONG YU	Solar system for intensively collecting heat and storing heat in individual households
CN202470254U U 20121003	CN20112558018U 20111228	F24F5/00; F24F12/00; F24J2/00; F24J2/05; F24J2/24	NINGBO SAIRUI SOLAR ENERGY CO LTD	Solar air conditioning and water heating dual-purpose all-in-one machine

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CN202470425U U 20121003	CN20122024145U 20120119	F24H7/00; F22B1/06; F24J2/00; F24J2/46	HANGZHOU BOILER GROUP CO LTD	Molten salt system
CN202470432U U 20121003	CN20122067104U 20120228	F24H9/00; F24J2/46	CHANGZHOU XNE NEW ENERGY TECHNOLOGY CO LTD	Water tank provided with interlayer
CN202470460U U 20121003	CN20112527933U 20111215	F24J2/00; F24J2/40	ZHUHAI INVERTER ELECTRONIC TECHNOLOGY CO LTD	Solar energy heat pump water heater
CN202470461U U 20121003	CN20112577497U 20111229	F24J2/00; F03D9/00	UNIV ZHEJIANG NORMAL	Novel water heater
CN202470462U U 20121003	CN20122044125U 20120213	F24J2/00; F24J2/05; F24J2/24; F24J2/52	JINGTIAN ZHAO	High-efficiency multilayer solar cooker water heater
CN202470463U U 20121003	CN20122052590U 20120218	F24J2/00; F24J2/40	QINYONG YU	Remote monitoring solar system
CN202470464U U 20121003	CN20122052594U 20120218	F24J2/00; F24J2/46	QINYONG YU	Split type solar water heating system
CN202470465U U 20121003	CN20122061475U 20120224	F24J2/00; F24J2/40	YUNFEI YU	Intelligent solar and air energy water heater
CN202470466U U 20121003	CN20122073339U 20120301	F24J2/00	XIULI WANG	Solar air heater
CN202470467U U 20121003	CN20122077811U 20120305	F24J2/00	CAN ZENG	Novel solar and air energy all-in- one machine
CN202470468U U 20121003	CN20122077814U 20120305	F24J2/00	CAN ZENG	Instant available solar water heating device
CN202470469U U 20121003	CN20122082425U 20120307	F24J2/00; F24J2/46	QINYONG YU	Integral solar water heater
CN202470470U U 20121003	CN20122084889U 20120308	F24J2/00; F24J2/05; F24J2/26	HEBEI SANRING SOLAR ENERGY CO LTD	Phase transition heat accumulation type integrated wall- mounted solar water heater
CN202470471U U 20121003	CN20122084897U 20120308	F24J2/00	HEBEI SANRING SOLAR ENERGY CO LTD	Special solar water heater for field operation
CN202470472U U 20121003	CN20122086002U 20120309	F24J2/00	XINGUANG LIU	Cone-shaped solar water heater without vacuum tube, thermal insulation material layer or frame

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CN202470473U U 20121003	CN20122086004U 20120309	F24J2/00; F24J2/46	XINGUANG LIU	Spherical solar water heater without vacuum pipe, heat preservation material layer and frame
CN202470474U U 20121003	CN20122088142U 20120309	F24J2/00	A OL SPAIN NINGBO EURO SOLAR GROUP CO LTD	Double-heat-source heat pump water heating system using air energy and solar energy
CN202470475U U 20121003	CN20122097075U 20120307	F24J2/00; F24J2/46	SHANDONG YAOGUO NEW ENERGY TECHNOLOGY CO LTD	Embedded split balcony wall-hung solar water heater
CN202470476U U 20121003	CN20112556914U 20111228	F24J2/02	ZIHAN ZHANG	Simple solar cooker
CN202470477U U 20121003	CN20122051328U 20120217	F24J2/02; F24J2/46	YANBO ZHAO	Light-condensing type solar cooker
CN202470478U U 20121003	CN20122087065U 20120309	F24J2/02	YIMENG YAN	Compact strong energy gathering solar stove
CN202470479U U 20121003	CN20112575555U 20111231	F24J2/05; F24J2/26; F24J2/46; F24J2/48; F24J2/50	NINGBO SAIRUI SOLAR ENERGY CO LTD	Aluminum sheet type solar energy flat plate collector
CN202470480U U 20121003	CN20122044423U 20120210	F24J2/05; F24J2/24; F24J2/32; F24J2/46	BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; HENAN HUGSUN NEW ENERGY CO LTD	Transverse glass heat pipe collector
CN202470481U U 20121003	CN20122059316U 20120223	F24J2/05; F24J2/20; F24J2/46	DEPING ZHANG	Antifreezing flat-plate solar collector
CN202470482U U 20121003	CN20122067409U 20120222	F24J2/05; F24J2/24; F24J2/46	ZHEJIANG SIDITE NEW ENERGY CO LTD	Vacuum insertion-tube solar water heater with small clearance of discharge holes of outer shell of heat insulation water tank
CN202470483U U 20121003	CN20112532484U 20111219	F24J2/10; F24J2/34; F24J2/40; F24J2/46	XI AN JINJIU ENVIRONMENTAL PROT TECHNOLOGY SERVICE CO LTD	Device utilizing solar energy

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CN202470484U U 20121003	CN20112558475U 20111219	F24J2/12; F24J2/16	XI AN DAYU PHOTOELECTRIC TECH	Groove-type solar light-condensing heat collector
CN202470485U U 20121003	CN20122008323U 20120107	F24J2/16; C02F1/02; C12M1/107; F24J2/34; F24J2/40; F24J2/46	YANLIANG WANG	Solar centralized heat and water supply system
CN202470486U U 20121003	CN20112551969U 20111226	F24J2/20	SHENZHEN INST OF BUILDING RES CO LTD	Tile type solar heat collection device
CN202470487U U 20121003	CN20122018151U 20120113	F24J2/24; F24J2/40; F24J2/46; F24J2/51	YINGYI ZHANG	Solar water heater
CN202470488U U 20121003	CN20122021391U 20120118	F24J2/24; F24J2/34; F24J2/46; F24J2/51	JINGUI LIU	Densely-arranged type vacuum tube solar water heater
CN202470489U U 20121003	CN20122084890U 20120308	F24J2/24	HEBEI SANRING SOLAR ENERGY CO LTD	High-temperature solar heat collector with serially-connected vacuum tubes
CN202470490U U 20121003	CN20122065407U 20120227	F24J2/30; F24J2/46	HULONG FAN	Heat exchange system for water heater
CN202470491U U 20121003	CN20122040126U 20120208	F24J2/32	BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; HENAN HUGSUN NEW ENERGY CO LTD	Vertical type glass heat tube heat collector
CN202470492U U 20121003	CN20112501999U 20111206	F24J2/34; F24J2/46	UNIV HENAN POLYTECHNIC	Device for maintaining stability of salt gradient solar pond
CN202470493U U 20121003	CN20112538607U 20111221	F24J2/34; F24J2/40	SHANDONG FUTAI CERAMICS CO LTD	Dual-mode ceramic solar engineering hot water system
CN202470494U U 20121003	CN20122065194U 20120227	F24J2/34; F24J2/40	HELIAO XU	High-efficiency quick-heating constant-temperature solar water heater
CN202470495U U 20121003	CN20122085021U 20120308	F24J2/34; F24J2/40	HELIAO XU	Series-connected replacement constant temperature antifreezing solar water heater

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CN202470496U U 20121003	CN20112380172U 20111009	F24J2/40	HAINING SHIDAO SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater measurement and control system
CN202470497U U 20121003	CN20122052596U 20120218	F24J2/40	QINYONG YU	Solar remote control system
CN202470498U U 20121003	CN20112546813U 20111223	F24J2/46	BEIJING TSINGHUA SOLAR ENERGY DEV CO LTD; BEIJING TSINGHUA SOLAR SYSTEMS CO LTD; HENAN HUGSUN NEW ENERGY CO LTD	Novel multistage all-glass heat-tube type vacuum solar heat-collecting tube and inner tube thereof
CN202470499U U 20121003	CN20112127739U 20110421; CN20112579924U 20111227	F24J2/46	YUNLONG BIAN	Solar water heater capable of only discharging hot water and not discharging cold water during use
CN202470500U U 20121003	CN20122003829U 20120106	F24J2/46	WUHAN BAINIAN FEILONG SOLAR TECHNOLOGY CO LTD	Surface-roughened solar heat collecting piece
CN202470501U U 20121003	CN20122004921U 20120109	F24J2/46; F24J2/51	GUANGDONG WANHE ELECTRICAL CO LTD	Flat solar heat collector
CN202470502U U 20121003	CN20122012712U 20120112	F24J2/46	QIWEN LIU	Automatic water closing device of solar water heater
CN202470503U U 20121003	CN20122031163U 20120201	F24J2/46	GUANGDONG WANHE ELECTRICAL CO LTD	Water inlet pipe of vertical hot water storage tank
CN202470504U U 20121003	CN20122052595U 20120218	F24J2/46	QINYONG YU	Integrated type solar heat exchange water tank
CN202470505U U 20121003	CN20122063183U 20120224	F24J2/46	JIANAN ZHENG	Solar antifreezing and emptying system
CN202470506U U 20121003	CN20122065394U 20120227	F24J2/46	HULONG FAN	Double-exchange water tank of water heater
CN202470507U U 20121003	CN20122070750U 20120229	F24J2/46	HAILIANG YANG	Automatic water feeder of solar water heater
CN202470508U U 20121003	CN20122073225U 20120301	F24J2/46; F24J2/48	NINGBO BOER PIPE INDUSTRY DEV CO LTD	Tube special for solar energy

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CN202470509U U 20121003	CN20122076200U 20120302	F24J2/46	GUANGZHOU HOPESUN SOLAR EQUIPMENT CO LTD	Framework and back plate combining structure of flat-plate type solar heat collector
CN202470510U U 20121003	CN20112124249U 20110425; CN20122077890U 20120305	F24J2/46; F24J2/32	ZHEJIANG SHENDI SOLAR ENERGY TECHNOLOGY CO LTD	Heat transfer connecting piece of heat pipe collector
CN202470511U U 20121003	CN20122078060U 20120305	F24J2/46	YUMIN TANG; HONGWEI YU	Pressure-regulating flow- equalizing heat-gathering panel
CN202470512U U 20121003	CN20122079144U 20120306	F24J2/46	BEIJING SUNSHINE SHANGJIE ENERGY TECHNOLOGY CO LTD	Water taking device for water tank of solar water heater
CN202470513U U 20121003	CN20122086475U 20120309	F24J2/46; F24J2/40	HAILIANG YANG	Solar automatic water feeder
CN202470514U U 20121003	CN20122090581U 20120306	F24J2/46	ZHENGANG DU	Wave-shaped heat collection plate core
CN202470515U U 20121003	CN20122090585U 20120306	F24J2/46	ZHENGANG DU	Corrugated heat collecting panel core
CN202470516U U 20121003	CN20122092308U 20120313	F24J2/46; F24J2/51	GUANGXI JIKUAN SOLAR ENERGY EQUIPMENT CO LTD	Solar polyurethane thermal insulation water tank
CN202470517U U 20121003	CN20122092315U 20120313	F24J2/46	GUANGXI JIKUAN SOLAR ENERGY EQUIPMENT CO LTD	Water inlet and outlet pipes for solar water tank
CN202470518U U 20121003	CN20122047688U 20120215	F24J2/52	SUNSHORE SOLAR ENERGY CO LTD	Groove type solar support structure
CN202470519U U 20121003	CN20122051894U 20120217	F24J2/52	SHANDONG LINUO PARADIGMA CO	Pitched roof support for pressure- bearing separating type solar water heating system
CN202470520U U 20121003	CN20122057330U 20120221	F24J2/54	ZHEJIANG HENGFENGTAI REDUCER MFG CO LTD	Intermediate connecting rod mechanism and connecting rod reinforcing, rotating and positioning mechanism for groove type thermal power generation system

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CN202472013U U 20121003	CN20112564615U 20111229	G02B5/08; F24J2/10; F24J2/38; G02B7/182	SHANGHAI JINGDIAN NEW ENERGY CO LTD	Fresnel-type condensation reflector and Fresnel-type solar hot water system
CN202472101U U 20121003	CN20112553535U 20111227	G02B7/198; F24J2/07	LIGHT SOURCE INDUSTRY ISRAEL CO LTD	Heliostat applicable to central tower type generating station and interface arrangement thereof
CN202484420U U 20121010	CN20112399816U 20111019	F16K37/00; F24J2/46	ANNAN WANG	Solar energy control valve
CN202485088U U 20121010	CN20122034752U 20120203	F24D15/00; F24D19/10; F24J2/00	SHENZHEN SACRED INDUSTRY CO LTD	Solar heated floor device
CN202485230U U 20121010	CN20122026719U 20120120	F24J2/00; F22D1/16; F24J2/04; F24J2/40	DALIAN DECHANG ENERGY ENVIRONMENT DEV CO LTD	Integrated system for recycling hot water of solar thermal collector and waste heat of boiler
CN202485231U U 20121010	CN20122112485U 20120323	F24J2/00; F24J2/04; F24J2/40; F24J2/46	XIUTIAN LI	Solar instant-heating type purifying water heater
CN202485232U U 20121010	CN20122034763U 20120203	F24J2/02; F24J2/46; H02N6/00	SHENZHEN SACRED INDUSTRY CO LTD	Solar cooker used outdoors
CN202485233U U 20121010	CN20122097121U 20120315	F24J2/04; F24J2/46	KUNMING XINYUAN SUNSHINE TECHNOLOGY CO LTD	Compact-type efficient heat cycling solar water heater
CN202485234U U 20121010	CN20122104405U 20120320	F24J2/04; F24J2/34; F24J2/40; F24J2/46	JIAXIANG JIANG	Solar collector system
CN202485235U U 20121010	CN20112560513U 20111229	F24J2/05; F24J2/51	BEIJING RONDER GREEN ENERGY TECHNOLOGY CO LTD	Solar double-chamber air heat collector
CN202485236U U 20121010	CN20122055025U 20120214	F24J2/05; F24J2/24; F24J2/46; F24J2/48; F24J2/50	HONGLIN HUA	Vacuum tube streamed flat-plate solar thermal collector
CN202485237U U 20121010	CN20122063765U 20120221	F24J2/05; F24J2/24; F24J2/46; F24J2/50	ANHUI UNIVERSITY OF ARCHITECTURE	Welded-joint-free heat collector
CN202485238U U 20121010	CN20122070685U 20120229	F24J2/05; F24J2/24; F24J2/46; F24J2/52	UNIV SHANDONG SCIENCE & TECH	Solar water heater

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CN202485239U U 20121010	CN20122074488U 20120302	F24J2/05; F24J2/24; F24J2/40; F24J2/46	HELIAO XU	Non-pressure-bearing fast heating constant temperature separated type solar water heater
CN202485240U U 20121010	CN20122093275U 20120307	F24J2/05; F24J2/24; F24J2/46; F24J2/48; F24J2/52	BENGBU REMOTE REAL ESTATE CO LTD	Solar water heater
CN202485241U U 20121010	CN20122098504U 20120313	F24J2/05; F24J2/46	TIANDONG WANG	Split solar water heater
CN202485242U U 20121010	CN20122067208U 20120228	F24J2/12; F24J2/38; F24J2/46; F24J2/54	UNIV CHINA PETROLEUM	Solar thermal collector based on slot-type parabolic reflector and artificial blackbody
CN202485243U U 20121010	CN20112560515U 20111229	F24J2/20; F24J2/51; H02N6/00	BEIJING RONDER GREEN ENERGY TECHNOLOGY CO LTD	Photo-thermal photovoltaic collector
CN202485244U U 20121010	CN20122125357U 20120329	F24J2/20; F24J2/48; F24J2/51	JINAN CHANGTAI ENERGY SAVING TECHNOLOGY CO LTD	Flat plate collector
CN202485245U U 20121010	CN20122093320U 20120307	F24J2/24; F24J2/05	BENGBU REMOTE REAL ESTATE CO LTD	Solar heat collection board array
CN202485246U U 20121010	CN20122019670U 20120116	F24J2/30	GUANGDONG HONGRI SOLAR ENERGY CO LTD	Solar heated directly-drinkable water device
CN202485247U U 20121010	TW20110147375 20111220	F24J2/38; F24J2/46	BINGJUN HUANG	Vacuum pipe type solar heat collecting system with sun-following device
CN202485248U U 20121010	CN20122026674U 20120120	F24J2/40; F24J2/46	WEIGUO YAO	Solar terminal-controlled heat exchanger for centralized heat collection and family-splitting heat storage system
CN202485249U U 20121010	CN20122052002U 20120217	F24J2/40	ZAIFANG WU	Controller of solar water heater
CN202485250U U 20121010	CN20112482705U 20111129	F24J2/46; B21J15/14; B21J15/30	KUNMING HENGYU HUIYUAN TECHNOLOGY CO LTD	Multi-material riveting and welding compounded solar heat collector plate core and die for making the same

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CN202485251U U 20121010	CN20112490697U 20111201	F24J2/46	WUHAN BAINIAN FEILONG SOLAR TECHNOLOGY CO LTD	Magnetron-sputtered solar heat collecting sheet
CN202485252U U 20121010	CN20112529146U 20111216	F24J2/46	SIJI MUGE LUOYANG SOLAR ENERGY CO LTD	Device for preventing frost- heaving of vacuum tube
CN202485253U U 20121010	CN20112560514U 20111229	F24J2/46	BEIJING RONDER GREEN ENERGY TECHNOLOGY CO LTD	Solar double-circulation control station
CN202485254U U 20121010	CN20122005900U 20120106	F24J2/46	DONGCHEN SUNSHINE BEIJING SOLAR ENERGY TECHNOLOGY CO LTD	High-intensity solar vacuum heat collection tube
CN202485255U U 20121010	CN20122060805U 20120224	F24J2/46	CHINA XD GROUP	S-shaped corrugated pipe for solar energy
CN202485256U U 20121010	CN20122060884U 20120224	F24J2/46	CHINA XD GROUP	solar power generation and high temperature evacuated solar collector pipe with built-in expansion joint
CN202485257U U 20121010	CN20122060885U 20120224	F24J2/46	CHINA XD GROUP	External expansion joint type solar power generation high- temperature vacuum collector tube
CN202485258U U 20121010	CN20122093394U 20120307	F24J2/46	BENGBU REMOTE REAL ESTATE CO LTD	Water tank of solar water heater
CN202485259U U 20121010	CN20122093421U 20120307	F24J2/46	BENGBU REMOTE REAL ESTATE CO LTD	Inner tube bracket for solar collector tube internally provided with reflector
CN202485260U U 20121010	CN20122097146U 20120315	F24J2/46	KUNMING XINYUAN SUNSHINE TECHNOLOGY CO LTD	Flat plate type solar thermal collector frame module
CN202485261U U 20121010	CN20122129901U 20120324	F24J2/46	RENJIE ZHAO	Solar upper/lower water pipe antifreezing device
CN202485262U U 20121010	CN20122133026U 20120324	F24J2/46	JIEXIN XING	Solar water pipe anti-freezing device

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CN202485263U U 20121010	CN20112322197U 20110831	F24J2/52	SUZHOU PHOEBUS NEW ENERGY TECHNOLOGY CO LTD	Groove type concentrating solar medium-and-high-temperature heat collector torsion tube type support
CN202485264U U 20121010	CN20122063844U 20120221	F24J2/52	ANHUI UNIVERSITY OF ARCHITECTURE	Heat collector capable of being vertical
CN202490162U U 20121017	CN20122002194U 20120105	A61H33/02; A61H33/00; F24J2/00	ORIENTAL RECREATIONAL PRODUCTS SHANGHAI CO LTD	Solar heating cover and massage pool utilizing the same
CN202494227U U 20121017	CN20112576980U 20111231	F24J2/02	RUOHAN WANG	Solar cooker
CN202494228U U 20121017	CN20122000370U 20120104	F24J2/02	SHUANGYUAN YANG	Solar heat storage cooking stove
CN202494229U U 20121017	CN20112570167U 20111231	F24J2/05; F24J2/08; F24J2/20; F24J2/46; F24J2/51	CHENGDU SHOUNENG NEW ENERGY DEV CO LTD	Flat plate collector with collecting lens array
CN202494230U U 20121017	CN20122031263U 20120114	F24J2/05; F24J2/34	ZHENGGAO ZHOU	Novel solar energy water heater
CN202494231U U 20121017	CN20122067655U 20120228	F24J2/05; F24J2/24; H02J7/00	GUO CHEN	Photoelectric dual-purpose solar water heater
CN202494232U U 20121017	CN20122105348U 20120320	F24J2/05; F24J2/24	SAKURA BATH & KITCHEN PROD CN	Novel U-tube vacuum tube heat collector structure
CN202494233U U 20121017	CN20112415438U 20111027	F24J2/24; F24J2/46	TIANJIN TIANDA YINHE TECHNOLOGY CO LTD	Horizontal clapboard type solar thermal collector
CN202494234U U 20121017	CN20122018406U 20120116	F24J2/40	GUANGXI BIDI PHOTOELECTRIC TECHNOLOGY ENGINEERING CO LTD; UNIV GUANGXI	Solar workstation
CN202494235U U 20121017	CN20112570172U 20111231	F24J2/46; F24J2/51	CHENGDU SHOUNENG NEW ENERGY DEV CO LTD	Vacuum glass assembly with collecting lens array
CN202494236U U 20121017	CN20122007135U 20120109	F24J2/46; F24J2/34; F24J2/48	TAIYUAN DONGYU SOLAR ENERGY ENGINEERING CO LTD	Heat-storage type vacuum tube with light shielding plate and heat-storage type vacuum tube heat collector

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CN202494237U U 20121017	CN20122012320U 20120101	F24J2/46; F24J2/48	FANGJUN FENG	Solar heat collection pipe
CN202494238U U 20121017	CN20122021738U 20120117	F24J2/46	TAIYUAN DONGYU SOLAR ENERGY ENGINEERING CO LTD	Heat-exchange box body
CN202494239U U 20121017	CN20122026036U 20120119	F24J2/46	TAIYUAN DONGYU SOLAR ENERGY ENGINEERING CO LTD	Heat pipe type vacuum pipe with heat-shielding plate
CN202494240U U 20121017	CN20122099900U 20120315	F24J2/52	GUANGZHOU HOPESUN SOLAR EQUIPMENT CO LTD	Wall-hung support frame of solar thermal collector
CN202494307U U 20121017	CN20122114289U 20120326	F26B21/04; F24J2/00	SHENZHEN COMMONPRAISE SOLAR CO LTD	Solar heat-collecting drying device capable of being assembled quickly
CN202501039U U 20121024	CN20122032562U 20120119	F16K11/10; F24J2/46	UNIV ZHEJIANG NORMAL	Control valve for solar water heater
CN202501439U U 20121024	CN20122071925U 20120229	F22B1/00; F22B1/28; F24J2/00; F24J2/34	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	System for generating high- temperature sterilization steam by utilizing solar photo-thermal energy and stored energy of molten salt
CN202501440U U 20121024	CN20122114275U 20120326	F22B1/00; F24J2/08; F24J2/38; F24J2/51; F24J2/52	WANHONG LI	Duplex solar thermal collector
CN202501633U U 20121024	CN20112451717U 20111115	F24J2/00; F24J2/05; F24J2/20; F24J2/28; F24J2/46; F24J2/48; F24J2/50	JIANGSU TOPSCI ENVIRONMENTAL PROT TECHNOLOGY CO LTD; LIDONG ZHAO; SONG CHEN	Solar air heat collector device for new type penetration wavy structure
CN202501634U U 20121024	CN20122063535U 20120227	F24J2/00; F24J2/04; F24J2/40; F24J2/46	GUO XU; GE XU	Solar energy thermal-arrest system featuring forced circulation and serial connection
CN202501635U U 20121024	CN20122098200U 20120316	F24J2/00; F24J2/05; F24J2/24; F24J2/40; F24J2/46	JINGTIAN ZHAO	Bungalow type solar cooker water heater

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CN202501636U U 20121024	CN20122101326U 20120319	F24J2/02; F24J2/14; F24J2/26; F24J2/30; F24J2/34; F24J2/40; F24J2/46; F24J2/48	LUMING CHANG	Groove-type energy storage solar cooker
CN202501637U U 20121024	CN20122168347U 20120420	F24J2/04; F24J2/40; H02N6/00	WUXI VUSUN NEW ENERGY TECH CO LTD	Photovoltaic and photo-thermal combined solar hot water system
CN202501638U U 20121024	CN20122115092U 20120326	F24J2/12; F24J2/24	PEICHI ZHU	Paraboloid hot water collection device
CN202501639U U 20121024	CN20122071701U 20120229	F24J2/30	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Solar photo-thermal power generation heat exchanger and heat-absorption carrier efficient preheating device
CN202501640U U 20121024	CN20122097608U 20120315	F24J2/30	JIAN QIAN	Solar water heater
CN202501641U U 20121024	CN20122028485U 20120119	F24J2/40	UNIV ZHEJIANG NORMAL	Automatic control system of solar water heater
CN202501642U U 20121024	CN20122022178U 20120118	F24J2/46; F24J2/48	ZHONGXIAO LI	Solar heating pipe
CN202501643U U 20121024	CN20122025708U 20120117	F24J2/46	UNIV ZHEJIANG NORMAL	Solar automatic control valve
CN202501644U U 20121024	CN20122077317U 20120229	F24J2/46	CHANGZHOU SUNHOME SOLAR WATER HEATER MANUFACTURE CO LTD	Solar thermal power generation energy storage tank gas sealing device
CN202501645U U 20121024	CN20122097558U 20120315	F24J2/46	JIAN QIAN; LI QIAN	Unidirectional pipeline structure applied to water heater
CN202501646U U 20121024	CN20122029564U 20120130	F24J2/52	CHANGZHOU INPOSUOER NEW ENERGY CO LTD	Adjusting support of solar panels
CN202501647U U 20121024	CN20122095621U 20120314	F24J2/52	ZHONGXINBO NEW ENERGY TECHNOLOGY SUZHOU CO LTD	Adjustable solar bracket
CN202503015U U 20121024	CN20122181654U 20120425	H01L31/052; F24J2/24; H01L31/058	JIANGSU TIHEIN OPTOELECTRONIC TECHNOLOGY CO LTD	Photovoltaic photo-thermal glass

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CN202510828U U 20121031	CN2012220153U 20120111	F16K37/00; F16K31/64; F24J2/46	GUANGQUAN LI	Solar water heater emptying valve with water temperature and water level sensor
CN202510908U U 20121031	CN2012269543U 20120229	F16L41/08; F24J2/46	QINGDAO BAIWANG ELECTRICAL APPLIANCES CO LTD	Embedded pipe and solar water heater plastic inner container adopting embedded pipe
CN202511368U U 20121031	CN2012242910U 20120210	F24D15/02; F24D19/10; F24J2/46	YUSEN NAN	Solar heater
CN202511459U U 20121031	CN20112473771U 20111124	F24H9/00; F24J2/46	HIMIN SOLAR ENERGY GROUP SHANGHAI CO LTD [JP]	Energy transfer control device and safe water tank with same
CN202511460U U 20121031	CN20112473772U 20111124	F24H9/00; F24J2/46	HIMIN SOLAR ENERGY GROUP SHANGHAI CO LTD [JP]	Energy transfer control device
CN202511461U U 20121031	CN20112473774U 20111124	F24H9/00; F24D19/00; F24J2/46	HIMIN SOLAR ENERGY GROUP SHANGHAI CO LTD [JP]	Anti-overheating insulation water tank
CN202511465U U 20121031	CN20122121802U 20120328	F24H9/00; F24J2/46	XUEHUI WEI	Water feeding and discharging pipe for water heater
CN202511481U U 20121031	CN20112353630U 20110920	F24J2/00; F24J2/40	YONGHUA LIU	Three-in-one solar water heater
CN202511482U U 20121031	CN2012264975U 20120227	F24J2/00; F24J2/30; F24J2/34	SHANXI JINGHUI ENERGY TECHNOLOGY CO LTD	Heat-accumulation solar boiling water system
CN202511483U U 20121031	CN2012295487U 20120313	F24J2/00; F24H1/10; F24J2/24; F24J2/40; F24J2/46; F25B30/02; F25B49/02	GUARDSOUND IND CO LTD	Double-effect hot water supply apparatus equipped with auxiliary heating device
CN202511484U U 20121031	CN20122121713U 20120328	F24J2/00; F22B1/00; F24J2/10; F24J2/34; F24J2/46	LINGSHENG LV	Solar heat source self-feeding system
CN202511485U U 20121031	CN20122153931U 20120412	F24J2/00; F24J2/10; F24J2/24; F24J2/40	UNIV SHANGHAI MARITIME	Solar energy and wind energy combined water heater

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CN202511486U U 20121031	CN20122158939U 20120416	F24J2/00; F24J2/20; F24J2/34	JINAN HONGLI SOLAR ENERGY CO LTD	Panel integrated wall-mounted solar water heater
CN202511487U U 20121031	CN20122162314U 20120417	F24J2/00; F24J2/46	JIUQUAN SUN	Novel integrated wall-mounted solar water heater
CN202511488U U 20121031	CN20122127323U 20120329	F24J2/02	UNIV SUZHOU VOCATIONAL	Solar cooker capable of tracking sun automatically
CN202511489U U 20121031	CN20122128709U 20120330	F24J2/02; A47J27/21; A47J36/00	SHANDONG QINNAIER NEW ENERGY CO LTD	Novel hot-water device of solar cooker
CN202511490U U 20121031	CN20122128716U 20120330	F24J2/02; F24J2/52	SHANDONG QINNAIER NEW ENERGY CO LTD	Manual adjusting type tracking solar stove
CN202511491U U 20121031	CN2012226539U 20120119	F24J2/04; F24J2/46	JIALEJIA BEIJING ENERGY TECHNOLOGY CO LTD	Flat type heat collector slab core
CN202511492U U 20121031	CN20122118714U 20120323	F24J2/05; F24J2/24; F24J2/51	YOUYI YANG	Solar water heater with heat- preservation chamber and sun shade mesh
CN202511494U U 20121031	CN20122149688U 20120330	F24J2/05; F24J2/08; F24J2/46; F24J2/51	ZHIJUN XIA	Low-radiating solar water heating system
CN202511495U U 20121031	CN2012267895U 20120228	F24J2/20; F24J2/46	HEBEI LEADER ENERGY CONSERVATION CO LTD	Imbricate solar air heat collector
CN202511496U U 20121031	CN2012252178U 20120217	F24J2/24; F24J2/40	PINGDINGSHAN TIANJIA NEW ENERGY DEV CO LTD	Full-automatic solar heat collection device
CN202511497U U 20121031	CN20122102711U 20120319	F24J2/24; F24J2/46	HANGZHOU TIANBA ELECTRONIC CO LTD	Solar heat collector
CN202511498U U 20121031	CN20122125909U 20120328	F24J2/32; F24J2/46	HONG WANG	Structure of heat collecting plate core of solar water heater
CN202511499U U 20121031	CN20122125966U 20120328	F24J2/32; F24J2/46; F24J2/50	HONG WANG	Full-array solar heat connection plate core
CN202511500U U 20121031	CN20112473770U 20111124	F24J2/34; F24J2/40	HIMIN SOLAR ENERGY GROUP SHANGHAI CO LTD [JP]	Forced type solar energy heat storage circulating system
CN202511501U U 20121031	CN20112474013U 20111124	F24J2/34; F24J2/46; F28D15/02	HIMIN SOLAR ENERGY GROUP SHANGHAI CO LTD [JP]	Natural circulating solar heat storage system

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CN202511502U U 20121031	CN2012282909U 20120307	F24J2/38; F24J2/54	SHANDONG QIXING IRON TOWER CO LTD	Novel solar thermal collecting device
CN202511503U U 20121031	CN20112395726U 20111017	F24J2/46; E03B11/06; F28F21/08	YONGHUA LIU	Transverse split solar water heater capable of serving as water tower
CN202511504U U 20121031	CN20112505958U 20111202	F24J2/46; F16K31/00	GUANGQUAN LI	Solar water heater emptying valve with actuator easy to replace
CN202511505U U 20121031	CN2012228676U 20120120	F24J2/46	JIANYIN FENG	Folding isolator of ventilating pipe of solar water heater
CN202511506U U 20121031	CN2012284994U 20120308	F24J2/46	ZHEJIANG GAODELE NEW ENERGY CO LTD	Solar water heater heat collecting vacuum tube
CN202511507U U 20121031	CN20122106286U 20120321	F24J2/46	JINFENG LIU	Connection box with internal hot water chamber having hot water guide tube inserting holes at two sides
CN202511508U U 20121031	CN20122106301U 20120321	F24J2/46	JINFENG LIU	Heat collector connection box with internal heat insulating layer and flow guide pipe inserting hole separating plate
CN202511509U U 20121031	CN20122125897U 20120328	F24J2/46; F24J2/48	HONG WANG	Structure of heat collecting plate core for solar water heater
CN202511510U U 20121031	CN20122128707U 20120330	F24J2/46; A47J27/21; F24J2/51	SHANDONG QINNAIER NEW ENERGY CO LTD	Hot water kettle for solar cooking stove
CN202511511U U 20121031	CN20122184476U 20120426	F24J2/46	ZHEJIANG HUAYIDE SOLAR ENERGY TECHNOLOGY CO LTD	Solar heat-collecting panel
CN202511512U U 20121031	CN20122161958U 20120417	F24J2/52	HAINING QUANJIALE NEW ENERGY CO LTD	Convenient-to-disassemble solar energy water heater bracket
CN202511513U U 20121031	CN20122128711U 20120330	F24J2/54	SHANDONG QINNAIER NEW ENERGY CO LTD	Novel heat collection body supporting device of solar oven
CN202511519U U 20121031	CN20112409982U 20111025	F25B27/00; F24J2/46; F25B15/06	UNIV SOUTH CHINA TECH	Absorption refrigerator generator using ultrasonic waves to strengthen

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CN202521714U U 20121107	CN20122161130U 20120417	F24D15/00; F24J2/00; F24J2/08; F24J2/10; F24J2/24	INNER MONGOLIA FIRST MACHINERY GROUP CO LTD; YUHAI JIANG	Composite medium heating device
CN202521717U U 20121107	CN20122155314U 20120413	F24D17/00; F24D19/10; F24J2/04	YAOTANG WANG	No-cycle concentrated solar instant-heating indirect type water heating system
CN202521853U U 20121107	CN20122109655U 20120322	F24H4/02; F24J2/00	HANGZHOU YUANYUAN ENVIRONMENT TECHNOLOGY CO LTD	Solar energy tower and water source heat pump hot water unit
CN202521888U U 20121107	CN20122152558U 20120412	F24H9/20; F24J2/40	YONGBAO WU	Water full-state alarm device of water heater
CN202521889U U 20121107	CN2012212491U 20120111	F24J2/00; F24J2/34; F24J2/40; F24J2/46	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Solar and electric energy combined circulating heating system with phase-change materials
CN202521890U U 20121107	CN2012277461U 20120305	F24J2/00; F24J2/24; F24J2/34; F24J2/40; F24J2/46	XIONG YIN	Device for heating solid-state waste animal and plant oil and fat by coupling solar energy and electric energy
CN202521891U U 20121107	CN2012298149U 20120315	F24J2/00; F24J2/46	ZIYI WANG	Solar water heater
CN202521892U U 20121107	CN20122180802U 20120425	F24J2/00; F24H1/20; F24H9/00; F24J2/46	XIANJIE YANG	Vacuum insulating pipeline type quick heating device
CN202521893U U 20121107	CN2012252571U 20120218	F24J2/04; F24J2/46; F24J2/48	JIANGSU GOMON KITCHEN APPLIANCE AND SOLAR TECHNOLOGY CO LTD	Flat plate heat collector
CN202521894U U 20121107	CN2012252572U 20120218	F24J2/04; F24J2/52	JIANGSU GOMON KITCHEN APPLIANCE AND SOLAR TECHNOLOGY CO LTD	Integral flat-plate solar water heater
CN202521895U U 20121107	CN20122189627U 20120429	F24J2/04; F24J2/46; F24J2/51	XUDA YU	Solar water heater capable of preventing vacuum pipe from frost cracking

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CN202521896U U 20121107	CN20122107936U 20120321	F24J2/05; F03G6/06; F24J2/08; F24J2/24; F24J2/38; F24J2/46	SHENZHEN CUMARK NEW TECHNOLOGY CO LTD	Solar heat collection power generation device
CN202521897U U 20121107	CN20122170760U 20120422	F24J2/08; F24J2/38; F24J2/46	WANHONG LI	Box-type solar lens group heat collection field
CN202521898U U 20121107	CN20122180316U 20120425	F24J2/08; F24J2/52	HUILEI YANG	Split mounting type convex lens concentrated solar utilization device
CN202521899U U 20121107	CN2012234552U 20120203	F24J2/10; F24J2/24; F24J2/51	DONGGUAN TIANSHANG SOLAR ENERGY CO LTD	Medium-high temperature solar plane collector
CN202521900U U 20121107	CN20122133927U 20120331	F24J2/10; F24J2/24; F24J2/46	XIANJIE YANG	Straight-through reflecting and focusing solar energy collector assembly and heat collector using such assembly
CN202521901U U 20121107	CN20122134984U 20120331	F24J2/20	XIANJIE YANG	Up-down clamping type panel solar thermal collector
CN202521902U U 20121107	CN20122160017U 20120416	F24J2/20; F24J2/40; F24J2/46; F24J2/48	ZHAO HONGTAO; WANG JIANZHONG	Box-type flat-plate solar water heater
CN202521903U U 20121107	CN20122181077U 20120425	F24J2/30; F24J2/46	XIANJIE YANG	Flat plate solar water heater with built-in tube-sheet heat exchange device
CN202521904U U 20121107	CN20122181694U 20120425	F24J2/30; F24J2/46	XIANJIE YANG	Externally-arranged panel type solar water heater of inclined grid- shaped tubular plate type heat exchange device
CN202521905U U 20121107	CN20122181736U 20120425	F24J2/30; F24J2/34	XIANJIE YANG	Group type indirect heating flat board solar collector system
CN202521906U U 20121107	CN20122181787U 20120425	F24J2/30; F24J2/46	XIANJIE YANG	Flat-plate solar water heater with external tube-plate-type heat exchange device
CN202521907U U 20121107	CN20122122551U 20120328	F24J2/40	LIANGQING FAN	Multifunctional cold and hot water intelligent control instrument of solar water heater

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CN202521908U U 20121107	CN20122171190U 20120420	F24J2/40	SUZHOU NO 5 BUILDING GROUP CO LTD; SUZHOU CHANGRUN GREEN ENVIRONMENTAL PROT ENERGY SAVING ENGINEERING CO LTD	Power failure protector for solar thermal collection system
CN202521909U U 20121107	CN20112447339U 20111111	F24J2/46	YANYUAN WU	Freeze-proof and leak-proof structure of solar water heating device
CN202521910U U 20121107	CN2012231662U 20120201	F24J2/46	CHONGQING HAIER WATER HEATER CO LTD; HAIER GROUP CO LTD; QINGDAO ECONOMIC DEV ZONE HAIER WATER HEATER CO LTD	Heat accumulation ring for water tank of solar water heater
CN202521911U U 20121107	CN2012252574U 20120218	F24J2/46	JIANGSU GOMON KITCHEN APPLIANCE AND SOLAR TECHNOLOGY CO LTD	Rib-rolled-jacket heat exchange type hot water storage tank
CN202521912U U 20121107	CN2012293263U 20120314	F24J2/46; F24J2/48	GUOGONG GAN	Solar heat collection plate core with heat exchange fins
CN202521913U U 20121107	CN2012293264U 20120314	F24J2/46; B23K20/10; B23K26/20; C23C14/06; C23C14/35; F24J2/48	GUOGONG GAN	Solar collector core with anti-micro battery corrosion protection structure
CN202521914U U 20121107	CN20122108394U 20120321	F24J2/46	SUZHOU NO 5 BUILDING GROUP CO LTD; SUZHOU CHANGRUN GREEN ENVIRONMENTAL PROT ENERGY SAVING ENGINEERING CO LTD	Pipeline device for solar water heater
CN202521915U U 20121107	CN20122121730U 20120328	F24J2/46; F24J2/32	SHANDONG LUCY NEW ENERGY TECHNOLOGY CO LTD	Multifunctional automatic getter baking machine for heat tube-type solar evacuated solar collector tubes

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CN202521916U U 20121107	CN20122131323U 20120331	F24J2/46	SHANDONG LUCY NEW ENERGY TECHNOLOGY CO LTD	Heat pipe and heat absorption strip recycling device of heat pipe type vacuum heat collection pipe
CN202521917U U 20121107	CN20122131388U 20120331	F24J2/46	SHANDONG LUCY NEW ENERGY TECHNOLOGY CO LTD	Heat absorption inner core of heat-tube vacuum heat collecting tube
CN202521918U U 20121107	CN20122134847U 20120331	F24J2/46	XIANJIE YANG	Plate core of closed-flow-passage flat-plate solar heat collector
CN202521919U U 20121107	CN20122134848U 20120331	F24J2/46	XIANJIE YANG	Cross U-shaped flow channel flat plate solar heat collector plate core
CN202521920U U 20121107	CN20122134911U 20120331	F24J2/46; F24J2/10; F24J2/50	XIANJIE YANG	Transversely arranged type heat- absorbing tile assembly and heat collector adopting same
CN202521921U U 20121107	CN20122134946U 20120331	F24J2/46	XIANJIE YANG	Parallel U-shaped tube bank runner plate core for flat-plate solar collectors
CN202521922U U 20121107	CN20122135204U 20120331	F24J2/46; F24J2/04	XIANJIE YANG	Conjoined internal focusing type solar heat collector assembly and heat collector adopting same
CN202521923U U 20121107	CN20122144798U 20120409	F24J2/46; F24J2/48; F24J2/50	WEIFANG XINYAN RADIATOR CO LTD	Solar heat collection panel core
CN202521924U U 20121107	CN20122146604U 20120410	F24J2/46	ZUOLONG SHI	Antifreeze device for pipeline of solar water heater
CN202521925U U 20121107	CN20122158918U 20120416	F24J2/46	HEBEI GAUNGYUAN SOLAR ENERGY CO LTD	Inside light-focusing pressure bearing type solar middle-and high-temperature heat collection pipe
CN202521926U U 20121107	CN20122167956U 20120419	F24J2/46	HIMIN SOLAR CO LTD	Spliced solar vacuum tube supporting device
CN202521927U U 20121107	CN20122171631U 20120423	F24J2/46	HU SHENG	High-temperature water layer water fetching device for solar water tank

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CN202521928U U 20121107	CN20122187648U 20120428	F24J2/46	JIANQI WANG	Water-filling automatic control device for solar water heater
CN202521929U U 20121107	CN20122195164U 20120503	F24J2/46	PARR HART YASEN	Freeze protection device for outdoor pipeline of solar water heater
CN202521930U U 20121107	CN2012252573U 20120218	F24J2/52	JIANGSU GOMON KITCHEN APPLIANCE AND SOLAR TECHNOLOGY CO LTD	Support for solar water heater
CN202522759U U 20121107	CN20122165198U 20120418	G02B19/00; F24J2/00; G02B7/198; H01L31/042	NANJING SCİYON AUTOMATION GROUP CO LTD	Solar collection device
CN202528744U U 20121114	CN2012263639U 20120224	B44C5/04; B44C1/26; F24H9/02; F24J2/46	FUZHOU AQUAPOWER ELECTRIC WATER HEATER CO LTD	Novel water heater shell
CN202531371U U 20121114	CN2012228495U 20120120	F03G6/06; F02G1/043; F24J2/00; F24J2/13	ZHONGYANG MENG	Tower disc type comprehensive solar energy utilization system
CN202532091U U 20121114	CN20122180681U 20120425	F16L51/02; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Connecting piece of corrugated pipe lined with solder and flat-plate solar collector adopting connecting piece
CN202532724U U 20121114	CN2012241278U 20120117	F24J2/00; F24J2/40; F24J2/46; F25B30/06	DONGGUAN YINGXIN ENERGY SAVING INVEST CO LTD	Solar energy and air source water heating system
CN202532725U U 20121114	CN2012298771U 20120316	F24J2/00; F24J2/05; F24J2/24; F24J2/46	WU ZHANG; CHANGYUN YIN	Intelligent solar energy life and drinking water heater
CN202532726U U 20121114	CN20122152091U 20120405	F24J2/00; F24J2/40; F24J2/46	YISHAN ZHAO	Simple and automatic solar water heater
CN202532727U U 20121114	CN20122179933U 20120425	F24J2/00; F24J2/30; F24J2/34; F25B27/00	UNIV HOHAI CHANGZHOU	Solar composite utilizing device for low energy consumption housing
CN202532728U U 20121114	CN20122180805U 20120425	F24J2/00	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat plate solar heat collector with defrosters

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CN202532729U U 20121114	CN20122181646U 20120425	F24J2/00; F24J2/40; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat-plate solar collector with heat tracing type defroster
CN202532730U U 20121114	CN20122184696U 20120427	F24J2/00; F24J2/24; F24J2/40; H02J7/00	KEXING HUANG	Solar power generation intelligent water heater
CN202532731U U 20121114	CN2012258783U 20120217	F24J2/02; F24J2/46	GUANGZHENG CAO	Solar refraction water heater group
CN202532732U U 20121114	CN2012265212U 20120227	F24J2/04; F24J2/46	ZIHAO LI	Split vacuum pipe solar water heater
CN202532733U U 20121114	CN20122165965U 20120419	F24J2/05; F24J2/46; F24J2/48	DEHE YANG	Integral solar water heater and combination thereof
CN202532734U U 20121114	CN20122211761U 20120513	F24J2/05	XINYU DAI	Simple solar water heater
CN202532735U U 20121114	CN20122165411U 20120418	F24J2/08; F24J2/16; F24J2/24; G02B3/00; G02B7/02; G02B7/182; G02B19/00	DESHENG ZHANG	Linear-type ultrathin solar energy photothermal utilization condenser
CN202532736U U 20121114	CN20122180736U 20120425	F24J2/20; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat-plate solar heat collector with expansion loop
CN202532737U U 20121114	CN20122180738U 20120425	F24J2/20; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat plate heat collector with symmetrical packaging structure
CN202532738U U 20121114	CN2012271276U 20120229	F24J2/30; F24J2/46	SMITH A O CHINA WATER HEATER	Wall-mounted solar water heater
CN202532739U U 20121114	CN20122181648U 20120425	F24J2/30; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat solar water heater internally provided with wing tube type heat exchange device
CN202532740U U 20121114	CN20122181653U 20120425	F24J2/30; F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat-plate solar water heater for built-in plate type heat exchange device
CN202532741U U 20121114	CN20122132611U 20120331	F24J2/34; F24J2/02; F24J2/46	HUNAN XIANGDIAN TEST RES INST CO LTD; HUNAN ELECTRIC POWER CO LTD SCIENCE RES INST	Solar energy storage device and solar oven

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CN202532742U U 20121114	CN20122208569U 20120510	F24J2/38	LEI RAN	Large solar thermal volt power generation system device
CN202532743U U 20121114	CN2012272712U 20120229	F24J2/40	HEFEI SHUNCHANG STAINLESS STEEL EQUIPMENT MFG CO LTD	Control system applied to hot water system
CN202532744U U 20121114	CN2012272731U 20120229	F24J2/40	HEFEI SHUNCHANG STAINLESS STEEL EQUIPMENT MFG CO LTD	Control cabinet for hot water management system
CN202532745U U 20121114	CN2012229563U 20120130	F24J2/46	CHANGZHOU IMPOSOL NEW ENERGY CO LTD	Solar water heater inner container with coiled tube fixing device
CN202532746U U 20121114	CN2012275565U 20120302	F24J2/46	DEJIE LI	Anti-vacuum solar collector tube
CN202532747U U 20121114	CN2012288357U 20120309	F24J2/46; F24J2/24	SHENZHEN TOPRAY SOLAR CO LTD	Solar collection plate and solar heating device
CN202532748U U 20121114	CN20122105114U 20120320	F24J2/46	SHANDONG LINUO PARADIGMA CO	Water tank for integrated solar water heater
CN202532749U U 20121114	CN20122118819U 20120327	F24J2/46	JIANYU ZHU; WANXIN ZHU	Novel full-glass double-vacuum light-wave superconductivity collector tube
CN202532750U U 20121114	CN20122129309U 20120330	F24J2/46; F24J2/48	PANG JUN	Heat pipe board for solar water heater or solar energy combined power-heat system
CN202532751U U 20121114	CN20122130299U 20120331	F24J2/46	ZHENGYUAN XU; DEQI GAO	Sunlight tile inner container
CN202532752U U 20121114	CN20122130849U 20120331	F24J2/46; B08B1/00	HUI GUO	Automatic clean-type solar water heater
CN202532753U U 20121114	CN20122145783U 20120331	F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Plate core of flat-plate solar collector with two crossed S-shaped channels
CN202532754U U 20121114	CN20122147587U 20120410	F24J2/46; F24J2/51	HAINING QUANJIALE NEW ENERGY CO LTD	High transmission solar water heater heat-collecting tube
CN202532755U U 20121114	CN20122147589U 20120410	F24J2/46	HAINING QUANJIALE NEW ENERGY CO LTD	Convex-lens-type heat collecting pipe of solar water heater

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CN202532756U U 20121114	CN20122147606U 20120410	F24J2/46; F24J2/51	HAINING QUANJIALE NEW ENERGY CO LTD	Double-layer thermal insulation solar water heater water tank
CN202532757U U 20121114	CN20122147607U 20120410	F24J2/46	HAINING QUANJIALE NEW ENERGY CO LTD	Strong convective water tank of quick-heating solar water heater
CN202532758U U 20121114	CN20122168402U 20120420	F24J2/46	WUXI VUSUN NEW ENERGY TECH CO LTD	Solar photovoltaic pump station
CN202532759U U 20121114	CN20122178663U 20120424	F24J2/46	KEQIANG JIN	Solar evacuated collector tube
CN202532760U U 20121114	CN20122181635U 20120425	F24J2/46	GUANGDONG FIVESTAR SOLAR ENERGY CO LTD	Flat-plate solar collector with labyrinth respiratory seams
CN202532761U U 20121114	CN20122184582U 20120427	F24J2/46	FANGMING HU; FANGYONG HU	Solar panel connecting piece
CN202532762U U 20121114	CN20122184587U 20120427	F24J2/46	FANGMING HU; FANGYONG HU	Solar heat collector sectional material
CN202532763U U 20121114	CN20122185730U 20120427	F24J2/46	ZHAO SONG	Central pipe of solar vacuum heat collecting pipe
CN202532764U U 20121114	CN20122195937U 20120424	F24J2/46	HAINING LIFENG SOLAR ENERGY INDUSTRY CO LTD	Eccentric heat collecting tube with gettering material flashed to tail part of cover glass tube
CN202532765U U 20121114	CN20122195946U 20120424	F24J2/46	HAINING LIFENG SOLAR ENERGY INDUSTRY CO LTD	Rectangular cross section steel wire clamp spring degasser for vacuum heat collecting pipe
CN202532766U U 20121114	CN20122195961U 20120424	F24J2/46	HAINING LIFENG SOLAR ENERGY INDUSTRY CO LTD	Eccentric clamp spring used for eccentric heat-collecting tube
CN202532767U U 20121114	CN20122218400U 20120516	F24J2/46	ZHEJIANG SHANGCHENG ENERGY TECHNOLOGY CO LTD	Heat collecting vacuum pipe
CN202532768U U 20121114	CN20122125453U 20120329	F24J2/48; B32B17/06; B32B33/00	XINYE XIE; ZHEJUN ZHANG	Solar spectrum selective absorbing coating board
CN202532769U U 20121114	CN20122147565U 20120410	F24J2/52	HAINING QUANJIALE NEW ENERGY CO LTD	Wall-mounted solar water heater bracket
CN202532770U U 20121114	CN20122162069U 20120417	F24J2/52	SHENZHEN SANXIA SOLAR ENERGY CO LTD	Solar thermal collector bracket

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CN202532771U U 20121114	CN20122177703U 20120424	F24J2/52	SHANGHAI INTELLIGENCE POWER ELECTRIC ENGINEERING CORP	Pressing block type solar system support frame
CN202543040U U 20121121	CN20122112570U 20120312	C03B23/045; C03B23/207; F24J2/52	NINGBO BEILUN HANXIN NEW ENERGY TECHNOLOGY CO LTD	Processing machine for inner tube support of collector tube
CN202545148U U 20121121	CN20122101239U 20120317	F03G6/06; F24J2/38; G02B7/198; G02B19/00; G05D3/12	CHENGDU ONERGY TECHNOLOGY CO LTD	Solar focusing thermal power generation system with fixed point arrays
CN202545149U U 20121121	CN20122102115U 20120317	F03G6/06; F24J2/38	CHENGDU ONERGY TECHNOLOGY CO LTD	Mobile lattice array solar focusing heat power generation system
CN202545909U U 20121121	CN20122103569U 20120320	F16K17/04; F16K27/00; F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Safety valve structure for solar water heater
CN202546698U U 20121121	CN20122124787U 20120329	F22B1/00; F22B33/18; F24J2/24	JINJU WANG	Solar steam heat collection system
CN202546978U U 20121121	CN20122183588U 20120426	F24F5/00; F24F13/30; F24J2/05; F24J2/30; F24J2/46	SHANDONG TRYWOW HEATPUMP TECHNOLOGY CO LTD	Double-energy comfortable air conditioner system
CN202547087U U 20121121	CN2012296184U 20120315	F24H9/00; F24J2/46	GUANGDONG WANHE ELECTRICAL CO LTD	Vertical pressure-bearing thermal- insulating water tank with heat isolating brackets
CN202547108U U 20121121	CN20112421032U 20111028	F24J2/00; F24J2/46; F24J2/51	SHANGHAI HUATING IND CO LTD	Energy-saving water heater heating by far-infrared heating plate
CN202547109U U 20121121	CN2012205956U 20120106	F24J2/00; F24J2/40	DONGCHEN SUNLIGHT BEIJING SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater with auxiliary heating device
CN202547110U U 20121121	CN2012294446U 20120314	F24J2/00; F24J2/04; F24J2/40	SHANDONG ANYWHERE NEW ENERGY TECHNOLOGY CO LTD	Solar energy and geothermal energy integrated heat pump water heater

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CN202547111U U 20121121	CN2012294456U 20120314	F24J2/00; F24J2/04; F24J2/40	SHANDONG ANYWHERE NEW ENERGY TECHNOLOGY CO LTD	Air source-solar integrated heat- pump water heater
CN202547112U U 20121121	CN2012299131U 20120316	F24J2/00	BEIJING JIUYANG INDUSTRY CO LTD	Embedded wall-mounted type flat balcony solar thermal collector
CN202547113U U 20121121	CN20122101901U 20120319	F24J2/00; B23P15/26; C23C14/06; C23C14/08; C23C14/14; F24J2/50	DEZHOU JINHENG NEW ENERGY CO LTD	Solar heat collecting fin
CN202547114U U 20121121	CN20122102784U 20120319	F24J2/00; F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Wall-mounted type solar heat- pump water heater
CN202547115U U 20121121	CN20122212312U 20120427	F24J2/00; F24J2/48	NANA WANG	Solar balcony wall-mounted water heater
CN202547116U U 20121121	CN2012217997U 20120116	F24J2/02; F24J2/20; F24J2/46	UNIV KUNMING SCIENCE & TECH; YUNNAN DINGRUI SOLAR ENERGY ENGINEERING CO LTD	Building integrated collector array
CN202547117U U 20121121	CN20122101178U 20120317	F24J2/02; F24J2/46; F26B23/00	CHENGDU ONERGY TECHNOLOGY CO LTD	Fixed point array solar drying system
CN202547118U U 20121121	CN2012245565U 20120213	F24J2/04; F24J2/46	KUNYU WANG	Large-diameter glass-metal integral solar water heater
CN202547119U U 20121121	CN20122184659U 20120426	F24J2/04; F24J2/46	ZESHAN XU	Terrace wall-mounted solar water heater
CN202547120U U 20121121	CN20122115179U 20120326	F24J2/05; F24J2/22	QINGDAO CAT ENVIRONMENTAL PROT EQUIPMENT CO LTD	Novel flat plate solar heat collector
CN202547121U U 20121121	CN20122201113U 20120427	F24J2/05; F24J2/32; F24J2/46; F24J2/48	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Cross pipe plate type solar water heater with jet pipe
CN202547122U U 20121121	CN20122201220U 20120427	F24J2/05; F24J2/20; F24J2/46	ZHENJIANG NEW MENGXI ENERGY TECHNOLOGY CO LTD	Coil-type flat-plate solar water heater with nozzle

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CN202547123U U 20121121	CN20122207664U 20120507	F24J2/05; F24J2/20; F24J2/46	GUANGHUI LIU	Flat plate heat collector
CN202547124U U 20121121	CN20122152467U 20120412	F24J2/06; F24J2/30; F24J2/52; G02B7/198	SHANDONG QIXING IRON TOWER CO LTD	Novel solar heat energy collection and transmission device
CN202547125U U 20121121	CN2012299571U 20120316	F24J2/10; F22B1/00; F24J2/32; F24J2/38; F24J2/46	UNIV ZHEJIANG [CN]	Coaxial condensed secondary reflection tank type natural circulation solar heat collection device
CN202547126U U 20121121	CN20122212354U 20120511	F24J2/10; F24J2/24; F24J2/40; F24J2/46; G05D3/00; H02J7/00	HIMIN SOLAR CO LTD	Double-tube type self-powered multifunctional solar kitchen range
CN202547127U U 20121121	CN20112561613U 20111229	F24J2/24; F22B1/00; F24J2/06; F24J2/48	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Three-straight-tube combined solar high temperature direct steam heat collecting device
CN202547128U U 20121121	CN20122103009U 20120319	F24J2/24; F24J2/46; F24J2/48	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Solar water heater with high- temperature and low-temperature resistance
CN202547129U U 20121121	CN20122159266U 20120416	F24J2/24; F24J2/46; F24J2/51	YAN JUN	Novel solar water heater
CN202547130U U 20121121	CN20112520054U 20111213	F24J2/34; F24J2/30	INFINITE SOLAR ENERGY CO LTD	Heat-accumulating type solar water heater without water tank
CN202547131U U 20121121	CN20122172694U 20120420	F24J2/34	BEIJING CHINER NEW ENERGY TECHNOLOGY CO LTD; UNIV BEIJING	Solar phase change energy storage tank
CN202547132U U 20121121	CN20122175874U 20120424	F24J2/34; F24J2/46	JIANGSU PIONEER NEW ENERGY MATERIAL CO LTD	Phase-change heat storage unit capable of overcoming thermal deformation
CN202547133U U 20121121	CN20122170367U 20120421	F24J2/38	WANHONG LI	Sun axis tracking assembly
CN202547134U U 20121121	CN20122164147U 20120418	F24J2/40	UNIV SHENYANG TECHNOLOGY	Solar water heater with automatic temperature control device

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CN202547135U U 20121121	CN20122164401U 20120407	F24J2/40	LIMIAO ZHANG	Float ball type display device of solar water tank
CN202547136U U 20121121	CN20122219017U 20120507	F24J2/40	DEZHOU HAIHUA ELECTRICAL APPLIANCE CO LTD	Novel solar control instrument
CN202547137U U 20121121	CN20112520055U 20111213	F24J2/46	INFINITE SOLAR ENERGY CO LTD	Solar energy vacuum heat-collecting tube having built-in reflective mirror
CN202547138U U 20121121	CN2012224892U 20120118	F24J2/46; F03G6/06	UNIV NORTH CHINA ELEC POWER	Device for interconnecting heat absorbing tube and conveying tube for parabolic trough solar heat power generation
CN202547139U U 20121121	CN2012229214U 20120113	F24J2/46	XU YANG	Solar water tank with automatic emptying device
CN202547140U U 20121121	CN20112185443U 20110603; CN2012257804U 20120222	F24J2/46	FENGJUN CHEN	Water treatment device used in solar water heater
CN202547141U U 20121121	CN2012261212U 20120224	F24J2/46	UNIV ZHEJIANG NORMAL	Solar water heater
CN202547142U U 20121121	CN2012282776U 20120307	F24J2/46	CHINA HUANENG GROUP CLEANING ENERGY TECHNOLOGY RES INST CO LTD	Novel heat collection tube bank
CN202547143U U 20121121	CN20122103579U 20120320	F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Conveniently-disassembled water storage tank end cover for solar water heater
CN202547144U U 20121121	CN20122103592U 20120320	F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Water storage tank for solar water heater
CN202547145U U 20121121	CN20122105841U 20120320	F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Vacuum tube structure used on solar water heater
CN202547146U U 20121121	CN20122105850U 20120320	F24J2/46; F24J2/48	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO	Vacuum tube for solar water heater

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			LTD	
CN202547147U U 20121121	CN20122105857U 20120320	F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Heat absorption structure used on solar water heater
CN202547148U U 20121121	CN20122105860U 20120320	F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Heat collection module of solar water heater
CN202547149U U 20121121	CN20122105900U 20120320	F24J2/46	ZHEJIANG TIANSHILE SOLAR ENERGY TECHNOLOGY CO LTD	Ventilation structure used on solar water heater
CN202547150U U 20121121	CN20122112567U 20120312	F24J2/46	NINGBO BEILUN HANXIN NEW ENERGY TECHNOLOGY CO LTD	Heat collection tube
CN202547151U U 20121121	CN20122112568U 20120312	F24J2/46	NINGBO BEILUN HANXIN NEW ENERGY TECHNOLOGY CO LTD	Solar collector tube
CN202547152U U 20121121	CN20122116294U 20120326	F24J2/46; F24J2/40	SUZHOU KAILAI NEW ENERGY CO LTD	Control device for water feeding and water drainage of solar water heater
CN202547153U U 20121121	CN20122116331U 20120326	F24J2/46; F24J2/40	SUZHOU KAILAI NEW ENERGY CO LTD	Temperature adjustment control device for water supply and water drainage of solar water heater
CN202547154U U 20121121	CN20122118185U 20120327	F24J2/46	JINJU WANG	Large-gap evacuated collector tube
CN202547155U U 20121121	CN20122131460U 20120331	F24J2/46; F24J2/48	BINGSHAN LEI; DUAN CHAOXIA	Solar module heat collecting plate
CN202547156U U 20121121	CN20122175871U 20120424	F24J2/46	JIANGSU PIONEER NEW ENERGY MATERIAL CO LTD	Quickly connected water heater module
CN202547157U U 20121121	CN20122175879U 20120424	F24J2/46	JIANGSU PIONEER NEW ENERGY MATERIAL CO LTD	Limiting and fastening device for solar water heater
CN202547158U U 20121121	CN20122181059U 20120425	F24J2/46; F24J2/40	BIN ZHANG	Automatic turning type solar vacuum tube shading device
CN202547159U U 20121121	CN20122183398U 20120427	F24J2/46	DING FENGGEN	Solar water heater part

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CN202547160U U 20121121	CN20122184656U 20120426	F24J2/46	ZESHAN XU	Flow guide partition board used for integral transverse type water heater water tank
CN202547161U U 20121121	CN20122195342U 20120504	F24J2/46	FENGGEN DING	Vacuum pipe of solar water heater
CN202547162U U 20121121	CN20122202192U 20120508	F24J2/46	FEIXIANG TONG	Heat exchange water tank with empty cavity
CN202547163U U 20121121	CN20122207679U 20120507	F24J2/46	GUANGHUI LIU	Outdoor water tank of unpressurized balcony solar water heater
CN202547164U U 20121121	CN20122207680U 20120507	F24J2/46; F24J2/00	GUANGHUI LIU	Non pressure-bearing type indoor water tank of solar water heater in balcony
CN202547165U U 20121121	CN20122193734U 20120503	F24J2/48	YAN JUN	Rubber-plastic solar heat collector
CN202548424U U 20121121	CN20112546082U 20111223	G02B7/198; F24J2/54	FUJIAN ELECTRIC POWER SUPPLY COMPANY ELECTRIC POWER RES INST; FUJIAN PRE PRODUCTION INST ELECTRIC POWER ADJUSTMENT TEST EX CO LTD	of line focus Fresnel solar array
CN202558666U U 20121128	CN20122101195U 20120317	C02F1/14; F24J2/06; F24J2/38; F24J2/52	CHENGDU AONENGPU TECHNOLOGY CO LTD	Fixed point array solar energy seawater desalination system
CN202558667U U 20121128	CN20122102077U 20120317	C02F1/14; F24J2/38	CHENGDU AONENGPU TECHNOLOGY CO LTD	Mobile point-array solar seawater desalination system
CN202559572U U 20121128	CN20122182677U 20120426	E04B7/02; E04B7/16; E04D13/03; E04D13/16; F24F7/013; F24J2/34	CHINA STATE CONSTRUCTION NORTHWEST ARCHITECTURAL DESIGN AND RES INST CO LTD	Multi-function roof heating ventilation device capable of utilizing solar energy
CN202560028U U 20121128	CN20122165098U 20120418	E06B7/28; F24J2/48	NINGXIA CITY YINCHEN SOLAR ENERGY TECHNOLOGY CO LTD	Window with solar thermal collector

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CN202561177U U 20121128	CN20122160393U 20120416	F16K21/18; F16K31/06; F24J2/46	LIANYUNGANG BEST MACHINERY CO LTD	Fast electromagnetic valve water supply automatic stop device for solar water heater
CN202561300U U 20121128	CN2012258916U 20120222	F16L15/04; F24J2/46	LAIZHOU SHANPU PIPE FITTINGS MFG CO LTD	Combined overflow pipe
CN202561721U U 20121128	CN20122227788U 20120518	F22D1/00; F22D1/32; F24J2/04	GUANGPING ZHU	Solar energy and biomass energy combined boiler system
CN202561887U U 20121128	CN2012271285U 20120229	F24D15/00; F24D19/10; F24J2/00	HIMIN SOLAR CO LTD	Standalone solar water heater
CN202561888U U 20121128	CN20122118663U 20120317	F24D15/00; F24J2/00; F24J2/04; F24J2/46	DONGMING LV; ZHIGANG LIU; BAOLAI WANG; YANG LV; ZHAO LIU	Solar energy heating apparatus
CN202562016U U 20121128	CN20122146587U 20120331	F24H1/22; F24J2/24	SHANQING ZHENG	Drinking-water boiler
CN202562046U U 20121128	CN20122212876U 20120511	F24H9/00; F24J2/46	ZHUHAI GREE ELEC APPLIANCES	Water tank and heat-pump water heater provided with same and solar water heater provided with same
CN202562061U U 20121128	CN20122194417U 20120503	F24J2/00; F24J2/04; F24J2/46	YIHENG HUANG	Solar water heater assisted by air energy
CN202562062U U 20121128	CN20122216382U 20120514	F24J2/00; F24J2/30	BEIJING HAILIN ENERGY SAVING EQUIPMENT INC	Equipment and system for quickly increasing water temperature for energy-saving complex building
CN202562063U U 20121128	CN20122236356U 20120524	F24J2/00; F24J2/40	HUJIE CHEN	Start and use water heating device of solar water heater
CN202562064U U 20121128	CN2012224297U 20120119	F24J2/02	TIANZENG WANG	Automatic solar energy cooking appliance
CN202562065U U 20121128	CN2012279188U 20120305	F24J2/02; F24J2/46	HIMIN SOLAR CO LTD	Solar energy stove
CN202562066U U 20121128	CN2012281017U 20120306	F24J2/02; F24J2/46	HIMIN SOLAR CO LTD	Solar kitchen range
CN202562067U U 20121128	CN20122101215U 20120317	F24J2/02; F24J2/46; F26B23/00;	CHENGDU AONENGPU TECHNOLOGY CO LTD	Move point array solar drying system

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
		F26B25/00		
CN202562068U U 20121128	CN20122169181U 20120420	F24J2/02; F24J2/05; F24J2/24; F24J2/30; F24J2/46; F24J2/54	JINGTIAN ZHAO	Large-size solar cooker water heater
CN202562069U U 20121128	CN20122235318U 20120505	F24J2/02	DAQING HAIFENG ENERGY TECHNOLOGY RES CO LTD	Double-ball solar energy gathering cooker
CN202562070U U 20121128	CN20122165128U 20120418	F24J2/04; F24J2/46; F24J2/48; F24J2/51	NINGXIA CITY YINCHEN SOLAR ENERGY TECHNOLOGY CO LTD	Integral-type flat-plate solar heat-collecting device
CN202562071U U 20121128	CN20122200942U 20120508	F24J2/04; F24J2/46	CHANGZHOU MEIRUN SOLAR ENERGY CO LTD	Laser welding whole panel flat-panel solar collector
CN202562072U U 20121128	CN2012226287U 20120119	F24J2/05; F24J2/20; F24J2/46	HUBEI GUIZU VACUUM SCIENCE & TECHNOLOGY CO LTD	Plastic flat plate solar heat collector
CN202562073U U 20121128	CN2012226290U 20120119	F24J2/05; F24J2/24; F24J2/46; F24J2/50	HUBEI GUIZU VACUUM SCIENCE & TECHNOLOGY CO LTD	Panel solar heat collector
CN202562074U U 20121128	CN2012246045U 20120201	F24J2/05; F24J2/48; F24J2/50	SHILONG YAN	Flat-plate solar heat collector for shutter
CN202562075U U 20121128	CN2012249460U 20120216	F24J2/05; F24J2/10; F24J2/26; F24J2/46; F24J2/48; F24J2/50	HAIMING LIAO	Solar collector
CN202562076U U 20121128	US201161575020P 20110815	F24J2/05; F24J2/24; F24J2/46	CHENGJUN CHEN; CLARK GORDON	Gravity flow split type solar water heater
CN202562077U U 20121128	CN20122165129U 20120418	F24J2/05; F24J2/22; F24J2/46; F24J2/48	NINGXIA CITY YINCHEN SOLAR ENERGY TECHNOLOGY CO LTD	Flat plate air solar thermal collector
CN202562078U U 20121128	CN20122210841U 20120511	F24J2/05; F24J2/12; F24J2/20; F24J2/48; F24J2/51	SHANDONG JULI SOLAR ENERGY CO LTD	Solar heat collector of triangular prism structure
CN202562079U U 20121128	CN20122223417U 20120509	F24J2/05; F24J2/24; F24J2/46; F24J2/48	JIAYUAN HE	Vacuum tube externally embedded solar water heater

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CN202562080U U 20121128	CN2012238369U 20120207	F24J2/06; F24J2/34; F24J2/54	SHANDONG QIXING IRON TOWER CO LTD	Novel solar energy heat collecting device
CN202562081U U 20121128	CN20122111931U 20120323	F24J2/08; F24J2/40; F24J2/46	GEOL BUREAU OF SHENZHEN	Solar water boiler for geological field work
CN202562082U U 20121128	CN20122138321U 20120405	F24J2/10; F03G6/06; F22B1/00; F24D15/02; F24J2/24; F24J2/46	JIANGYIN ZHINENG GUANGRE TECHNOLOGY COMPANY LTD	Solar condensation, power supply and heat supply system
CN202562083U U 20121128	CN20122145716U 20120410	F24J2/10; F24J2/48	JIAHONG LIN	Solar mirror having characteristic of high reflection or high transmission
CN202562084U U 20121128	CN20122175018U 20120424	F24J2/10	TANGSHAN SHAIYANG SOLAR TECHNOLOGY CO LTD	Novel solar water heater
CN202562085U U 20121128	CN20122153449U 20120412	F24J2/24; F24J2/46; H02N6/00	NANJING NANZHOU NEW ENERGY RES & DEV CO LTD; SONGSHUN XU	Flat hollow solar thermoelectric integrated device
CN202562086U U 20121128	CN20122210508U 20120511	F24J2/24; F24J2/06; H02N6/00	KAI YAN	Tank type solar optothermal photoelectric converter
CN202562087U U 20121128	CN20122216371U 20120515	F24J2/24; F24J2/10; F24J2/30	WANFU ZHANG	Solar heating device
CN202562088U U 20121128	CN20122217957U 20120515	F24J2/24; F24J2/30; F24J2/46	XINJIANG SUNNON SOLAR TECHNOLOGY CO LTD	Solar water heating system utilizing ceramic heat-collecting tubes
CN202562089U U 20121128	CN20122225129U 20120518	F24J2/24; F24J2/10	LAN SHENG	Efficient solar heat collector
CN202562090U U 20121128	CN20122101758U 20120317	F24J2/32; F24J2/06; F24J2/38; F24J2/40; F24J2/46; F24J2/48; F24J2/52; H02N6/00	CHENGDU AONENGPU TECHNOLOGY CO LTD	Movable point array heat pipe solar energy utilization system
CN202562091U U 20121128	CN20122102076U 20120317	F24J2/32; F24J2/06; F24J2/38; F24J2/40; F24J2/46; F24J2/48; F24J2/52; H02N6/00	CHENGDU AONENGPU TECHNOLOGY CO LTD	Fixed point array heat pipe solar utilization system

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CN202562092U U 20121128	CN20122217967U 20120515	F24J2/32; F24J2/46; F24J2/48	XINJIANG SUNNON SOLAR TECHNOLOGY CO LTD	Heat pipe flat-plate solar heat- collecting device
CN202562093U U 20121128	CN20112429013U 20111024	F24J2/34; F24J2/24; F24J2/46	LIXING WU	Novel water heater
CN202562094U U 20121128	CN20122148717U 20120410	F24J2/38; F24J2/40	SICHUAN FENGHUO MACHINERY FACTORY OF CHINA AEROSPACE SCIENCE AND TECHNOLOGY CORP	Trough-type solar energy collecting and tracking driving apparatus and system
CN202562095U U 20121128	CN20122206541U 20120427	F24J2/38	LIPENG QIN	Novel solar water heater rotating along with sun
CN202562096U U 20121128	CN2012215978U 20120113	F24J2/40	HIMIN SOLAR CO LTD; SHANDONG YIJIANENG SOLAR ENERGY CO LTD	Controller of solar water heater
CN202562097U U 20121128	CN20112191723U 20110609	F24J2/46	JIMIN TU; LIN KE	Vacuum tube diversion circulating device
CN202562098U U 20121128	CN2012240001U 20120129	F24J2/46	QIUFENG CHEN	Integrated solar water heater water tank device
CN202562099U U 20121128	CN2012258894U 20120222	F24J2/46	LAIZHOU CITY SHANPU PIPE FITTING MFG CO LTD	Exhaust pipe used for solar water heater
CN202562100U U 20121128	CN2012263689U 20120224	F24J2/46	LAIZHOU SHANPU PIPE MFG CO LTD	Water nozzle for solar water heater
CN202562101U U 20121128	CN2012269762U 20120221	F24J2/46; F24J2/40	NIANYOU CHEN	Simple water-saving high-efficient solar water heater
CN202562102U U 20121128	CN2012292995U 20120313	F24J2/46	LAIZHOU MOUNTAIN GENERAL PIPE MFG CO LTD	Overflow pipe stopper
CN202562103U U 20121128	CN20122111673U 20120322	F24J2/46	LAIZHOU SHANPU PIPE FITTINGS MFG CO LTD	Water nozzle for union collecting device
CN202562104U U 20121128	CN20122112340U 20120322	F24J2/46	LAIZHOU MOUNTAIN GENERAL PIPE MFG CO LTD	Welded overflow pipe
CN202562105U U 20121128	CN20122138309U 20120405	F24J2/46	JIANGYIN ZHINENG OPTOTHERMAL TECHNOLOGY CO LTD	Heat collector for solar energy condensing lenses

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CN202562106U U 20121128	CN20122147498U 20120409	F24J2/46; F24J2/32	INST ENG THERMOPHYSICS CAS	Heat sink with unit heat pipe
CN202562107U U 20121128	CN20122152911U 20120412	F24J2/46	NANJING NANZHOU NEW ENERGY RES & DEV CO LTD; SONGSHUN XU	Multifunctional solar heat exchange plate
CN202562108U U 20121128	CN20122206939U 20120510	F24J2/46	SHANDONG JULI SOLAR ENERGY CO LTD	Flat plate solar heat collector heat-absorbing plate core structure
CN202562109U U 20121128	CN20122210452U 20120511	F24J2/46	HEBEI DINGLI NEW ENERGY TECHNOLOGY CO LTD	Solar vacuum heat collecting tube
CN202562110U U 20121128	CN20122212266U 20120511	F24J2/46; F24J2/48	SHANDONG JULI SOLAR ENERGY CO LTD	Absorber plate core of flat-plate solar collector
CN202562111U U 20121128	CN20122213547U 20120514	F24J2/46	XIAOCHEN FAN	Scratch-preventing connection opening of solar heat collecting pipe
CN202562112U U 20121128	CN20122217678U 20120515	F24J2/46	SHANDONG JULI SOLAR ENERGY CO LTD	Flat-panel solar frame capable of carrying out closed foaming
CN202562113U U 20121128	CN20122217895U 20120515	F24J2/46	XINJIANG SUNNON SOLAR TECHNOLOGY CO LTD	U-shaped tube type multipurpose heat collecting module
CN202562114U U 20121128	CN20122217934U 20120515	F24J2/46	SHANDONG JULI SOLAR ENERGY CO LTD	Outer casing structure for joint collecting tube of heat collector
CN202562115U U 20121128	CN20122218608U 20120516	F24J2/46	XINGUO WANG	Lifting emptying antifreezing non- return device for built-in pipe orifice
CN202562116U U 20121128	CN20122218656U 20120507	F24J2/46	HONGLIN HUA	Water level and water temperature sensor for floating- leaning-type solar water heater
CN202562117U U 20121128	CN20122242018U 20120526	F24J2/46	CHANGZHENG MA	Solar water saving system
CN202562118U U 20121128	CN20122244147U 20120529	F24J2/46; C02F1/50	CHENGDU ZHENZHONG ELECTRIC CO LTD	Solar water heater with sterilizing device
CN202562119U U 20121128	CN20122261250U 20120527	F24J2/46	HUAYANG YU	Tube plate type heat collector plate core

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CN202562120U U 20121128	CN20122138054U 20120405	F24J2/51	ZUPENG WANG	Solar water heater
CN202562230U U 20121128	CN2012248691U 20120215	F26B21/00; F24J2/00	JIANGSU PLET PLASTIC PACKING CO LTD	Multifunctional solar oast house heat collector system
CN202563152U U 20121128	CN20122139621U 20120405	G02B19/00; F24J2/08; G02B3/00; G02B7/02	WANHONG LI	Array-type solar lens group
CN202564404U U 20121128	CN20122185246U 20120427	H01L31/042; F24J2/52	JIANGYIN UTT SOLAR EQUIPMENT CO LTD	Solar panel grillage
CN202565489U U 20121128	CN20122111668U 20120322	H05B3/82; F24J2/00	LAIZHOU SHANPU PIPE MFG CO LTD	Electric heating plug for solar water heater
CO6491090 A2 20120731	FR20090054464 20090630	C01F11/18; C09K5/10; F24J2/46	LONGUEMARD JEAN PAUL [FR]; OMYA DEVELOPMENT AG [CH]	FLUIDO TERMOPORTADOR
CR20120340 A 20120905	GB20090021266 20091204	F23G5/027; F23G5/16; F23G7/00; F24J2/42	CHALABI RIFAT AL [US]; PERRY OPHNEIL HENRY [GB]	SISTEMA DE GASIFICACIËN
CZ20110051 A3 20120808	CZ20110000051 20110128	F24J2/12	TALANDA MILAN [CZ]	Reflector for reflecting solar collectors especially those with point focus
CZ20110296 A3 20121128	CZ20110000296 20110517	F24J2/52; H01L31/042	MALAR MILAN [CZ]; BELVONCIKOVA SLAVKA [SK]; BELVONCIK VLADIMIR [SK]	Modular photovoltaic facade heat- insulating system
CZ24047U U1 20120711	CZ20120026055U 20120515	F24J2/52; F24J2/00; F24J2/16; H01L31/04; H01L31/042; H01L31/052	SOLARTEC S R O [CZ]	Load-bearing structure, especially for photovoltaic systems
CZ24048U U1 20120711	CZ20120026056U 20120515	F24J2/52; F24J2/00; F24J2/16; H01L31/04; H01L31/042; H01L31/052	SOLARTEC S R O [CZ]	Load-bearing structure, especially for photovoltaic systems

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CZ24053U U1 20120711	CZ20120025679U 20120229	F24J2/04	VYSOKU UCENI TECHNICKU V BRNE [CZ]	Solar absorber with structured surface
CZ24124U U1 20120801	CZ20120026205U 20120611	H01L31/052; F24J2/18; F24J2/52	SOLARTEC S R O [CZ]	Adjustable supporting frame of reflecting surfaces for photovoltaic systems
CZ24249U U1 20120912	CZ20120025931U 20120419	F24J2/00; F24J2/46	VANEK MILAN [CZ]; VANEK PETR [CZ]	Device for solar heating of air
CZ24251U U1 20120912	CZ20120026124U 20120525	F24J2/00	ETEFAN JAN [CZ]	Solar hot-air collector
DE102011000039 A1 20120705	DE201110000039 20110105	F24J2/54; H01L31/04	GERBRACHT HEINER [DE]	Mounting system of solar panel installed at roof of industrial building, has carrier that is connected with two foot elements over hinges, and is displaceable around three-angular positions with respect to axes of hinge
DE102011000041 A1 20120705	DE201110000041 20110105	H01L31/052; F24J2/06	BPE E K [DE]	Solar modul
DE102011000118 A1 20120719	DE20111000118 20110113	F24J2/42	NAECK INDUSTRIETECHNIK GMBH [DE]	Apparatus for receiving thermal energy for power supply to building, has container with inlet and outlet for feeding medium in and out of cavity respectively
DE102011000867 A1 20120823	DE201110000867 20110222	F16M13/00; E04D13/18; F24J2/52	CLIMASOL SOLARANLAGEN GMBH [DE]	Support system for fixing solar modules at flat roof, has base support, which is formed as section that is extended in longitudinal direction, where fixing adaptors are arranged in modular dimensions

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DE102011001417 A1 20120920	DE20111001417 20110318	F24J2/07; F03G6/00	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Solar radiation receiving device for use in solar thermal power plant, has heat receiving portion which is impinged with solar radiation, heat dissipation portion, heat-carrying unit, and drive unit for transporting heat-carrying unit
DE102011001525 A1 20120927	DE20111001525 20110324	B05D7/24; B05D7/14; F24J2/48	UNIV SAARLAND [DE]	Method for manufacturing selectively absorbing titanium nitride layer for solar energy absorber utilized for e.g. swimming pools, involves manufacturing suspension by selectively absorbing nitride powders and binder in solvent
DE102011004262 A1 20120823	DE201110004262 20110217	F22B1/18; F03G6/04; F24J2/24	SIEMENS AG [DE]	Vaporizer for continuous steam generator of solar thermal power plant, has several strand collectors which are connected in parallel and are provided with vaporizer pipes arranged at lower side of T-separator
DE102011004263 A1 20120823	DE201110004263 20110217	F22B1/18; F03G6/04; F24J2/07	SIEMENS AG [DE]	Verfahren zum Betreiben eines solarbeheizten Abhitzedampferzeugers sowie solarthermischer Abhitzedampferzeuger

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DE102011004264 A1 20120823	DE201110004264 20110217	F22B1/18; F03G6/04; F24J2/24	SIEMENS AG [DE]	Solar-thermal steam generator for solar-thermal power plant, has solar-heatable parallelly arranged pipes for guiding working medium, and mixing location arranged between two stages, where pipes are brought together at mixing location
DE102011004267 A1 20120823	DE20111004267 20110217	F22B1/18; F01K27/02; F03G6/04; F24J2/07	SIEMENS AG [DE]	Solarthermischer Dampferzeuger
DE102011004268 A1 20120823	DE201110004268 20110217	F03G6/06; F24J2/14	SIEMENS AG [DE]	Solarthermischer Durchlaufverdampfer mit lokaler Querschnittsverengung am Eintritt
DE102011004269 A1 20120823	DE201110004269 20110217	F24J2/40; F24J2/14	SIEMENS AG [DE]	Verfahren zum Betrieb eines solarthermischen Parabolrinnenkraftwerks
DE102011004270 A1 20120823	DE201110004270 20110217	F22B1/18; F01K27/02; F03G6/04; F24J2/07	SIEMENS AG [DE]	Once-through steam generator for solar thermal power plant, has heating regions with steam generator pipes such that throughput of flow medium of excessively heated steam generator pipe is higher than that of other steam generator pipe
DE102011004271 A1 20120823	DE201110004271 20110217	F22B1/18; F01K27/02; F03G6/04; F24J2/07	SIEMENS AG [DE]	Solar-thermal continuous steam generator for use in solar tower-power plant utilized to generate electricity, has steam generator pipe whose flow cross-section and passage area are varied in flow direction of medium to be evaporated

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DE102011004272 A1 20120823	DE201110004272 20110217	F22B1/18; F01K27/02; F03G6/04; F24J2/07	SIEMENS AG [DE]	Continuous evaporator for steam generator of solar thermal tower power plant, comprises evaporator heating surface with multiple vertically arranged steam generator tubes, through which flow medium flows from bottom to top
DE102011004277 A1 20120823	DE201110004277 20110217	F24J2/40; F24J2/14	SIEMENS AG [DE]	Verfahren zum Betrieb eines direkt beheizten, solarthermischen Dampferzeugers
DE102011004280 A1 20120823	DE20111004280 20110217	F22B1/18; F03G6/04; F24J2/07	SIEMENS AG [DE]	Verfahren zum Betreiben eines solarthermischen Abhitzedampferzeugers
DE102011004662 A1 20120830	DE201110004662 20110224	F24J2/38; F24J2/54; H01L31/052	SIEMENS AG [DE]	Nachführsystem für eine Solaranlage
DE102011005142 A1 20120906	DE201110005142 20110304	F03G6/06; F01K27/00; F24J2/14	SIEMENS AG [DE]	Flexible Dampfleitung insbesondere für solarthermische Kraftwerke
DE102011005344 A1 20120913	DE201110005344 20110310	F16L11/15; F24J2/14	SIEMENS AG [DE]	Flexible Dampfleitung insbesondere für solarthermische Kraftwerke
DE102011005817 A1 20120920	DE201110005817 20110318	F24J2/07; C04B35/195; C04B35/478	SAINT GOBAIN INDUSTRIEKERAMIK ROEDENTAL GMBH [DE]	MAISON BIOCLIMATIQUE
DE102011007616 A1 20121018	DE201110007616 20110418	F24J2/20	SANDVIK MATERIALS TECHNOLOGY DEUTSCHLAND GMBH [DE]	Solarflachkollektor, Verfahren zum Herstellen eines Solarflachkollektors und solarthermische Anlage
DE102011008091 A1 20120712	DE201110008091 20110107	C09K5/12; F24J2/46	SIEMENS AG [DE]	Wärmeübertragungsmedium für solarthermische Anlagen

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DE102011008718 A1 20120719	DE201110008718 20110117	F24J2/20; F24J2/40	DIMANSKI LUKAS [DE]	Hot air collector has pipe system on absorber in collector, which heats automatically and generates hot water, where temperature controls or temperature difference circuits and fan control regulate air flow or water flow
DE102011010148 A1 20120802	DE201110010148 20110202	H01R4/24; F24J2/52; H01L31/05; H01R4/64; H01R4/66	OELLER FRANZ [DE]	Electrically conductive and sealed connection structure of framed photovoltaic module, has module clamp that is screwed to substructure through anodized layer of module frame to obtain conductive connection between conductive elements
DE102011010832 A1 20120802	DE20111010832 20110202	F24J2/52	ULRICH SIEGFRIED [DE]	Fastening unit for fastening solar collectors on e.g. tiled roofs, has roller fixedly or lockably attached at end of lever in region formed between clamp and pressure plate, where eccentric groove is inserted over circumference of roller
DE102011011805 A1 20120823	DE20111011805 20110218	F24J2/14	WEISBACH RAFFAEL [DE]	Parabolic trough collector is moved on rolling body lying below parabolic trough collector, where shapes of collector support surface and rolling body are provided such that forces required for movement of collector is minimized

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DE102011013147 A1 20120906	DE20111013147 20110304	F16M13/00; E04D13/18; F24J2/52; H01L31/05	HPF GMBH [DE]	Solar roof mounted at e.g. building, has transverse profile comprising groove-like recess into which projection provided in outer surface of transverse profile of adjacent solar module is inserted
DE102011013585 A1 20120913	DE20111013585 20110313	F24J2/42	INFRA EPS MACHINERY GMBH [DE]	Device for storing and controlling entry of solar radiation into outer building wall during day time, has balloon for filling inner space of shell in inflated condition and emptying and collapsing inner space when compressed air is removed
DE102011014312 A1 20120920	DE20111014312 20110318	F24J2/40	SCHADE THOMAS [DE]	Shading device for solar panel of thermal solar system, has lever arm that is movably mounted on sliding structure by pin, and spring that is arranged between housing and sliding structure
DE102011014754 A1 20120927	DE20111014754 20110322	F24J2/14; F24J2/38	SEW EURODRIVE GMBH & CO [DE]	Solar thermal energy power plant has interconnected shaft portions arranged in rotary manner, and shaft associated with each section, where each shaft portion is assigned with angle sensor
DE102011014755 A1 20120927	DE20111014755 20110322	F24J2/14	SEW EURODRIVE GMBH & CO [DE]	Solar thermal energy plant has shaft portion that is rotatable of drive and is connected with path mirror in housing in normal direction

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DE102011014907 A1 20120927	DE20111014907 20110324	F24J2/40	BOSCH GMBH ROBERT [DE]	Method for controlling inlet temperature of fluid in solar heat collector of solar circuit for heating water stored in domestic hot water tank, involves selecting control program when storage temperature is less than threshold temperature
DE102011015168 A1 20120927	DE20111015168 20110325	F24J2/48	ALANOD ALUMINIUM VEREDLUNG GMBH & CO KG [DE]	Absorber pipe for solar heat collector, has tubular steel pipe whose side portion is coated with spectral coating, which is welded at longitudinal edges of metal plate having preset thickness
DE102011015593 A1 20121004	DE201110015593 20110330	B29D11/00; F24J2/06; G02B6/00; H01L31/052; H01L31/18	DOCTER OPTICS GMBH [DE]	Verfahren zum Herstellen eines Solarkonzentrators
DE102011015701 A1 20121004	DE201110015701 20110331	G01M11/00; F24J2/00; G01N25/72; G01R31/265; G01R31/302; H01L21/66; H01L31/18	TESTO AG [DE]	Prüfanordnung und Prüfverfahren für eine Solaranlage
DE102011016201 A1 20121011	DE20111016201 20110406	F24J2/14; F24J2/54	BOSCH GMBH ROBERT [DE]	Rotary drive for adjusting solar gutter of solar-thermal plant around rotational axis, has rotating shaft whose pivotal lever is mounted around rotational axis, where drive location of lever is freely displaceable on arm of pivotal arm

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DE102011016215 A1 20121011	DE20111016215 20110406	F22B1/00; F01K27/00; F03G6/00; F24J2/00; G21D1/00	PROJEKTENTWICKLUNG EN UND UMWELT LEIPZIG GMBH [DE]	Solar thermal hybrid plant has solar thermal system coupled with modular high temperature reactor-power plant, where coupling is formed in technical implementation of transfer of vapor from solar thermal system
DE102011016465 B3 20120830	DE201110016465 20110408	B25B27/00; B25B33/00; B65B27/00; F24J2/07	DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]	Method for removal of absorber body from solar-thermal receiver, involves inserting drawing tool through absorber channel of absorber body in support structure such that hook of tool is hooked at rear end of absorber channel
DE102011016697 B3 20120712	DE201110016697 20110411	F16M13/00; F24J2/52; H01L31/05	KASPER TORSTEN [DE]	Support structure for use in solar plant, has profiled rails connected through assembly profiles with Earth anchors, and solar modules arranged at fastening device in order to transfer working forces on
DE102011016728 A1 20121011	DE20111016728 20110411	F24J2/46; F24J2/04	RESOL ELEKTRONISCHE REGELUNGEN GMBH [DE]	Two-line solar station for installation in flow line and/or return line of solar cycle of pressure-prone solar systems, has a temperature-resistant hollow structure provided with several openings for releasing internal air pressure

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DE102011017276 A1 20121018	DE20111017276 20110415	F24J2/04	MENY MARKUS [DE]	Absorber tube for panels and reflectors of solar thermal power plant, has tubular elements that are made of different materials or same materials of different weight percentages
DE102011017822 A1 20121031	DE20111017822 20110429	F24J2/46; F03G6/06	SIEMENS AG [DE]	Method for mirror dust removal in solar power plants, involves bringing one or more reflectors into vibration by one or more vibration generators for detachment of adhered dust
DE102011018884 A1 20121031	DE20111018884 20110428	F24J2/42	KRAFT FRANZ [DE]	Curved solar energy absorber for roof mounting system, has securing clip that is connected with height adjustable roof hook that is provided in region of transom
DE102011050856 A1 20121206	DE201110050856 20110606	F16B2/24; E04D13/18; F16M13/00; F24J2/52	BIHLER WILLI [DE]	System zum Befestigen von Solarmodulen
DE102011050890 A1 20121213	DE20111050890 20110607	F16M13/00; F24J2/52	TRITEC LOGISTICS GMBH [DE]	Stand for use with mounting system for mounting rectangular solar modules on flat roof, has horizontal carrier, support towering from carrier, and angular piece for fastening support on carrier

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DE102011053092 B3 20121206	DE20111053092 20110829	F24J2/14	FLAGSOL GMBH [DE]	Restraint system for solar collector used in solar thermal power plant, has holding element that is moved relative to holder during change in length of tube which is guided with longitudinal axis in plane in unstretched state
DE102011076189 A1 20121122	DE20111076189 20110520	F24J2/20; F24J2/46	ITA GMBH [DE]	Panel collector of solar thermal system, has channel system that is formed in base and covered by absorber surface in fluid-tight manner
DE102011076971 A1 20121206	DE20111076971 20110606	F24J2/46; H01L31/048	KUNSTSTOFF TECHNIK SCHERER & TRIER GMBH & CO KG [DE]	Frame structure for plate-shaped photovoltaic module used in arrangement for production of solar energy, has aluminum alloy or steel supporting portions that are provided in base, and cross-section areas that are extended from base
DE102011080961 A1 20121018	DE20111007500 20110415; DE20111080961 20110815	G02B1/10; C23C14/10; C23C14/58; C23C28/00; F24J2/10; G02B5/08	ARDENNE ANLAGENTECH GMBH [DE]	Verfahren zur Herstellung eines Reflexionsschichtsystems für Rückseitenspiegel
DE102011084556 A1 20120712	DE20111002601 20110112; DE20111084556 20111014	F16B5/12; F16M13/00; F16S3/02; F24J2/52	MOUNTING SYSTEMS GMBH [DE]	Befestigungssystem zur Montage von Solarmodulen auf einem Trapezblech

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DE102011100527 A1 20121108	DE201110100527 20110505	F24J2/08	SCHAUER ERO [DE]	Device for collecting incident solar radiation, has screen that is located in focal line of absorber tube to absorb generated heat which can be used in many ways using suitable transmission medium
DE102011100544 A1 20121108	DE201110100544 20110505	F24J2/38	WOLF ROLAND [DE]	Photoelectric sun visor and light sensor device for solar system for e.g. tracking two-axis pivotable sun concentrator device at sun condition, has optoelectronic component arranged independent of sun condition by separation device's design
DE102011101196 B3 20120830	DE201110101196 20110511	F24J2/46; F24J2/40; F24J2/52	MEEH KLAUS [DE]	Solar collector arrangement for use in roof structure of power production plant, has diffusers arranged at underside of base body and for producing suction effect of wind load towards attachment surface at which arrangement is provided
DE102011103276 A1 20121206	DE201110103276 20110604	F16M13/00; F24J2/52	DINCER ERHAN [DE]	Flexible module carrier for assembly of photovoltaic module to modular support system, has bar inclined on tub that is attached to carrier structure, and another bar positioned at connection part of carrier structure

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DE102011103280 A1 20121206	DE201110103280 20110604	F16M13/00; F24J2/52	DINCER ERHAN [DE]	Module carrier for use in modular support system, particularly for solar modules, has claw hook and support, which are mutually locked, where claw holder supports web at end
DE102011103304 A1 20121129	DE201110103304 20110526	F24J2/04	HOLZE CARSTEN [DE]	Device for optimizing individual solar collector module and compound collector module groups of solar power plant against wind, has partial bodies, where device is uniformly or non-uniformly moved in operating region of module for movement
DE102011103724 A1 20121206	DE201110103724 20110606	F24J2/54	IMO HOLDING GMBH [DE]	Vorrichtung zur Drehung einer Trägerstruktur um eine Hauptachse für den Einsatz in einer mit planaren Elementen oder Flächen ausgestatteten Anlage, insbesondere einer Solaranlage
DE102011104516 A1 20121220	DE201110104516 20110617	E04D13/18; E04D3/36; F24J2/52; H01L31/042	SOLARMARKT GMBH [CH]	Frame for installing plate-like functional element e.g. photovoltaic module, on cover system i.e. roof system of building, has connection profile comprising recess to retain connecting web for lower transverse profile rail of other frame
DE102011105309 A1 20121220	DE201110105309 20110620	F24J2/00	EUROSUN SOLARTECHNIK UG [DE]	Hybrider Solarkollektor zur Dacheindeckung (PVT roofing slade)

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DE102011105326 A1 20121206	DE201110105326 20110603	F16M13/00; F24J2/54; H01L31/04	IMO HOLDING GMBH [DE]	Device for bi-axial displacement of nacelle against e.g. base of wind power plant, has swivel units comprising annular structures, where component is formed between units such that axes run non-parallel and non-perpendicular to each other
DE102011105463 A1 20121227	DE201110105463 20110624	H02G3/04; F24J2/52; H01L31/05; H02N6/00	DINCER ERHAN [DE]	Cable holder of support system for solar panel used in photovoltaic system, has carrier that is equipped for storing and laying of cable to bracket, and fastening element provided for mounting carrier to receiving space
DE102011105511 A1 20121227	DE201110105511 20110624	F24J2/52	DINCER ERHAN [DE]	Protection device for support system of solar panels installed in photovoltaic system, has fastening element for securing solar panel with insertion profile
DE102011116499 A1 20120802	DE201120002223U 20110202; DE201110116499 20111020	F24J2/38	NOLTING WILHELM [DE]	Permanentnavigator zur Feinausrichtung von terrestrischen Konzentratorsystemen
DE102011119954 A1 20120809	DE201120002362U 20110204; DE201110119954 20111202	F24J2/46	EIDELSBURGER GEORG [DE]; EIDELSBURGER MICHAEL [DE]	Defrosting method for photovoltaic and solar system, involves using of unused waste heat from cogeneration plant or other unused waste heat from house such as heating system

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DE102011121135 A1 20121108	DE201110100420 20110504; DE201110108752 20110729; DE201110121135 20111208	F24J2/42	GEYER GUENTHER [DE]	Energy element i.e. roof module, for solar system in sealed roof area of building, has air duct thermally cooperated with photovoltaic cells and heat carrier spacer, and attached to exhaust air spacer
DE102012009520 A1 20121122	DE201110101687 20110516; DE20121009520 20120515	F24J2/04	VAILLANT GMBH [DE]	Solar heat collector system installed on building, has heat exchanger which is provided in order to transfer solar heat form heat storage medium to heat sink
DE102012009834 A1 20121206	DE201110103400 20110604; DE20121009834 20120517	F16B7/00	DINCER ERHAN [DE]	Verbindungssystem f³r sich kreuzende Profile mit einer St³tze sowie Modultr³ger, Haupttr³ger, Solaranlage, Freifl³chenanlage und Carport mit diesem System
DE102012010725 A1 20121206	DE201110103835 20110601; DE20121010725 20120530	F24J2/46	VAILLANT GMBH [DE]	Solar collector for recovery of solar heat for domestic hot water and for heat backup, has housing made of upper trough wall, insulator and lower trough wall, where trough walls are made of aluminum, steel, stainless steel or plastic
DE102012102032 A1 20120913	DE201120000562U 20110311; DE201210102032 20120309	F24H1/20; F24D3/00; F24D17/00; F24J2/46	SCHUECO INT KG [DE]	Schichtspeicher

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DE102012205405 A1 20121108	DE201120100336U 20110506; DE201210205405 20120403	F16M13/00; F24J2/52; H01L31/05	BOSCH GMBH ROBERT [DE]	Support assembly for solar modules of photovoltaic system, comprises multiple rectangular solar modules, which hold two elongated module carriers that extend transversely in longitudinal direction
DE112009005229 A5 20120802	WO2009DE01277 20090914	F24J2/46; B08B1/00; B08B3/02	JOACHIM HERBORN GEBAEUDEREINIGUNGSMEIS TERBETR GMBH [DE]	VORRICHTUNG ZUR REINIGUNG VON SOLARANLAGEN
DE112010000366 A5 20121031	DE200920002133U 20090214; DE200920002134U 20090214; WO2010DE00165 20100213	E04D13/18; F24J2/52	ENERGIEBAU SOLARSTROMSYSTEME GMBH [DE]	Dachhalter für die Systemmontage von Solarmodulen
DE112010002762 A5 20120927	DE20092008931U 20090629; WO2010DE00740 20100626	F24J2/52	MEINHARDT DIRK [DE]	GEBÄUDEHÜLLE MIT SOLARKOLLEKTORMODUL(EN) UND MONTAGESYSTEM DAFÜR
DE112010004299 A5 20120927	DE200920015122U 20091106; WO2010EP66948 20101105	F24J2/52; H01L31/042	ILZHOEFER WERNER [DE]	SOLARMODUL MIT SCHWENKBARER STÜTZWAND
DE112010004370 A5 20120920	AT20090001799 20091113; WO2010AT00436 20101112	F24J2/04; F24J2/30; F24J2/32	XOLAR RENEWABLE ENERGY GMBH [AT]	Solarkollektorsystem
DE112011100081 A5 20121129	DE201010022472 20100602; WO2011DE01318 20110602	F24J2/52	SCHLETTER GMBH [DE]	KANTENSCHUTZELEMENT EINER KLEMMEINRICHTUNG FÜR UNGERAHMTE PV- MODULE
DE202011004660U U1 20120704	DE201120004660U 20110331	G01M99/00; F24J2/40;	TESTO AG [DE]	Prüfanordnung für eine Solaranlage

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		H01L31/042		
DE202011050556U U1 20121001	DE201120050556U 20110627	F16M13/00; E04D13/18; F24J2/52; H01L31/05	FLENDER FA WILHELM [DE]	Befestigungsvorrichtung für Solarmodule
DE202011101229U U1 20120830	DE201120101229U 20110528	F24J2/46	BOSCH GMBH ROBERT [DE]	Sonnenkollektor
DE202011102960U U1 20121010	DE201120102960U 20110706	F16M13/00; H01L31/05	BOSCH GMBH ROBERT [DE]	Traganordnung für Solarmodule mit Biegesteg in der Aufnahmenut
DE202011108706U U1 20120710	DE201120108706U 20111203	F16M13/00; F24J2/54	FABRITZ PETER [DE]	Tragflächen-Energieplattform
DE202011109971U U1 20121023	DE201120109971U 20110524	F24J2/32	NARVA LICHTQUELLEN GMBH & CO KG [DE]	Vorrichtung zur Wärmeübertragung
DE202012003168U U1 20120724	DE201220003168U 20120410	F24J2/42	SACK ERNST [DE]	Trigonal-vertikal stehende Solarmodule auf schwimmenden Gewässerbelüftern
DE202012003205U U1 20121126	DE20122003205U 20120328	F28D20/00; F24J2/46	WEISS THORSTEN [DE]	Wärmespeichertechnik
DE202012004211U U1 20120724	DE20122004211U 20120403	F16M11/12; F16M13/00; F24J2/54; G05D3/00; H01L31/04	SCHUSTER EDELBERT [DE]	Der Sonne nachgeführtes Trägersystem für ein Photovoltaik-Modulfeld
DE202012005075U U1 20120711	DE201220005075U 20120523	F24J2/04	ALMECO TINOX GMBH [DE]; STANDARD METALLWERKE GMBH [DE]	Absorberrohr sowie solarthermische Vorrichtung mit einem derartigen Absorberrohr
DE202012005162U U1 20120711	DE201110102357 20110524; DE201110104516 20110617; DE201220005162U 20120524	E04D13/18; E04D3/362; F16S3/06; F24J2/52; H01L31/05	SOLARMARKT GMBH [CH]	Rahmenteil für plattenförmige Funktionselemente und Abdeckungs-System gebildet aus einer Vielzahl derartiger Funktionselemente
DE202012006740U U1 20120809	DE201220006740U 20120713	G01K17/00; F24J2/40; G01J5/38	GUERBUEZ SUAYB [DE]; PATZKE LUKAS [DE]; WIEMERS JULIAN [DE]	Messmodul zum Detektieren einer Sonneneinstrahlung

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DE202012006834U U1 20120830	DE201220006834U 20120614	F16M13/00; F24J2/52	WEHNERT DANNY [DE]	Vorrichtung zur Aufständerung von Solarmodulen auf Freiflächen
DE202012006839U U1 20120810	DE201220006839U 20120717	F16B5/06; F16M13/00; F24J2/52	KNUBIX GMBH [DE]	Befestigungsklemme für Solarmodule
DE202012008175U U1 20121203	DE20122008175U 20120823	F16M13/00; F24J2/52	PIETRZAK ARND [DE]	Einlegeprofil für Photovoltaikmodule und sonstige plattenförmige Elemente mit dazugehörigem Montagesystem
DE202012008644U U1 20120928	AT20110000660U 20111206	F16B5/02; H01L31/042	ALUMERO SYSTEMATIC SOLUTIONS GMBH [AT]	Montageklemmanordnung für Solarpaneele, insbesondere Photovoltaik- und Solarthermiemodule
DE202012008863U U1 20121115	DE20122008863U 20120917	F24J2/40	PETER ROBERT [DE]	Thermische Solaranlage als Kleinsttrinkwasserbevorratung mit Frischwasserstation
DE202012009376U U1 20121128	DE20122009376U 20120928	F24J2/42; F24D15/04	GDH ENERGY INTERNAT LTD [HK]	Energiezaun
DE202012009522U U1 20121108	DE20122009522U 20121005	F24J2/42	HERMANN STEFAN [DE]	Anordnung für die Betreibung einer Luft-Wasser-Wärmepumpe
DE202012009700U U1 20121127	DE201220009700U 20121011	E04D13/18; F16B45/00; F16M13/00; F16S3/06; F24J2/52	HOELSCHER CHRISTOPHER [DE]	Dachhaken
DE202012010973U U1 20121127	DE201220102133U 20120612; DE20122008486U 20120905; DE20122010973U 20121115	F16M13/00; F16S3/04; F24J2/52	ALTEC SOLARTECHNIK AG [DE]	Profilschiene für Unterkonstruktionen sowie Befestigungselement hierfür
DE202012011344U U1 20121205	DE20122011344U 20121127	F24J2/04	RITTER EN UND UMWELTTECHNIK GMBH & CO KG [DE]	Solaranlage

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DE202012102863U U1 20120917	DE201220102863U 20120730	F16B5/06; E04D13/18; E04F13/26; F16M13/00; F24J2/52; H01L31/05	KUMATEC SONDERMASCHB & KUNSTSTOFFVERARBEITUN G GMBH [DE]	Befestigungseinrichtung f3r ein Flächenelement an einem C-Profil
DE202012103108U U1 20120910	DE201220103108U 20120817	F16M13/00; F24J2/52	HABDANK PV MONTAGESYSTEME GMBH & CO KG [DE]	Tragkonstruktion f3r Solarmodule
DE202012103391U U1 20121109	DE201220103391U 20120906	F24J2/38; H01L31/042	WIEST ACHIM [DE]	System und Vorrichtung zum Nachführen von Solarmodulen und zur Energiegewinnung
DE202012103392U U1 20120928	AT20110000654U 20111202	F24J2/52; F16M13/00	VOESTALPINE POLYNORM GMBH & CO KG [DE]	Halterung für ein Solarpaneel
DE202012104090U U1 20121122	DE201220104090U 20121024	F16M13/00; E04D13/18; F24J2/52; H01L31/05	IBC SOLAR AG [DE]	Bodenschiene zum Verlegen auf Dächern f3r die Aufnahme von Solarmodulen
DE202012104142U U1 20121129	DE201220104142U 20121029	F16M13/00; E04D13/18; F24J2/52; H01L31/05	FISCHER LICHTSYSTEME GMBH [DE]	Montageanordnung f3r Solar- und/oder Fotovoltaikmodule
DK1613861T T3 20121029	CH20030000635 20030407; WO2004CH00215 20040406	F03D9/00; F24J2/54; H01L31/045; H01L31/058	ROTH & MESSMER SECURITY TEAM GMBH [CH]	Forsyningsenhed til strøm og vand på basis af vedvarende energi
DK201170232 A 20121113	DK20110070232 20110512	F24J2/04; F28D20/00	OERTOFT HOLDING APS [DK]	A CONSTRUCTION COMPRISING A BUILDING AND AN INSTALLATION WITH SOLAR HEAT STORAGE
DK2063199T T3 20120903	DE200710056619 20071123	F24J2/52; E04D5/12; H01L31/048	BELECTRIC TRADING GMBH [DE]	Arrangement bestående af et fastgørelsesunderlag med solcellemoduler
DK2140499T T3 20120723	DE200710020151 20070426; WO2008EP54330 20080410	F24J2/52; H01L31/042; H01L31/048	C M S GMBH [DE]	SOLMODUL TIL SKRAATAG

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DK2307926T T3 20121008	FR20080054865 20080717; WO2009FR51392 20090710	G02F1/153; B32B17/10; F24J2/40	SAGE ELECTROCHROMICS INC [US]	Elektrokrom indretning med styret infraröd refleksion
DK2358953T T3 20121022	DE20082016000U 20081128; WO2009DE00559 20090422	E04D13/10; F24J2/52; H01L31/042	HATICON GMBH [DE]	Tagbindeknast med en opdelt udformning
EG25794 A 20120802	WO2008FR00275 20080303; FR20070001572 20070305; FR20070003712 20070525	F24J2/08; F24J2/07; F24J2/16; F24J2/32; F24J2/38; F24J2/46	COMMISSARIAT ENERGIE ATOMIQUE [FR]	Solar collector
EG25891 A 20121002	WO2008JP67284 20080925; JP20070256544 20070928	C10G45/58; C10G65/14	JAPAN OIL GAS & METALS JOGMEC [JP]; INPEX CORP [JP]; NIPPON OIL CORP [JP]; COSMO OIL CO LTD [JP]; NIPPON STEEL ENG CO LTD [JP]; JAPAN PETROLEUM EXPLORATION CO [JP]	Process for producing diesel fuel base and diesel fuel base obtained

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EG25893 A 20121002	GB20020017431 20020727	C07D239/48; A61K31/505; A61K31/506; A61K31/5377; A61P1/04; A61P1/12; A61P3/10; A61P5/14; A61P7/04; A61P9/10; A61P11/00; A61P11/02; A61P11/06; A61P13/08; A61P13/12; A61P15/00; A61P15/06; A61P15/08; A61P17/00; A61P17/02; A61P17/04; A61P17/06; A61P17/08; A61	ASTRAZENECA AB [SE]	Pyrimid sulfonamide derivatives as modulators of chemokine receptor
EG25896 A 20121002	WO2009US31359 20090117; US20080018878 20080124	E21B43/04; E21B43/08; E21B43/10	BAKER HUGHES INC [US]	Large inside diameter completion with position indication
EG25901 A 20121007	WO2009SE50006 20090108; SE20080000045 20080109	A01G25/06	TERRIGO AB [SE]	Watering device, method for manufacturing said device, and means therefore
EG25905 A 20121007	WO2008US13277 20081202; US20080019389 20080124	B27N1/02	AGRIBOARD IND [US]	Method for making a compressed fiberboard

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EG25907 A 20121008	WO2009EP00031 20090107; EP20080356012 20080121	C25C3/16	ALCAN INT LTD [CA]	Closure with improved rotation-inhibiting projectiDevice and method for short-circuiting one or more cells in an arrangement of electrolysis cells int ons ended for the production of aluminium
EG25915 A 20121014	WO2008DE01464 20080830; DE20072012534U 20070906	H01B13/012	SELBACH DIRK [DE]	Cable harness production system
EG25923 A 20121022	WO2007CH00480 20070928; CH20060001562 20060927; CH20070000846 20070529	F24J2/10; F03G6/06; F24J2/07; F24J2/12; F24J2/14	ALE AIRLIGHT ENERGY SA [CH]	Radiation collector
EG25933 A 20121024	WO2008EP00370 20080118; EP20070290092 20070122	G01V3/24	PRAD RES & DEV LTD [VG]	A method for electrical investigation of a borehole
EG25936 A 20121105	WO2009EP50938 20090128; FR20080050541 20080129		DESCHAMPS A & FILS ETS [FR]	Woven structure and panel or vessel including suchstructure
EG25938 A 20121105	WO2007US78687 20070917; US20060535835 20060927	G01V1/22; G01V1/00	GECO TECHNOLOGY BV [NL]	Sensor and recorder communication
EG25945 A 20121111	EG20100300413 20100316	A23G3/34; A23G9/32	OSSAMA NASSEEM IBRAHEEM BARAKAT [EG]	Water rationalization organizer
EG25948 A 20121111	WO2007EP59833 20070918	A01N47/02; A01N25/10; A01N25/12; A01P7/04	BASF SE [DE]	Dust composition for combating insects

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
EG25954 A 20121112	EG20050700338 20050726	C09D5/08; C23C8/52; C23C8/58; C23C22/07; C23C22/50	NAT RES CT [EG]	Method for preparation of phosphates, molybdates and phosphomolybdates corrosion inhibitive pigments for steel and environmentally safe
EG25960 A 20121113	WO2006IB53158 20060907; US20050222654 20050909	A61F13/511; A61L15/34; A61F13/00; A61F13/15; A61F13/472; A61F13/49; A61K9/08; A61K47/04; A61K47/10; A61K47/12; A61K47/14; A61K47/16; A61K47/18; A61K47/26; A61K47/32; A61K47/44	PROCTER & GAMBLE [US]	Sanitary napkins with hydrophobic lotions
EG25964 A 20121113	WO2008JP67308 20080925; JP20070256547 20070928; JP20070256548 20070928	C10G45/02	JAPAN OIL GAS & METALS JOGMEC [JP]; INPEX CORP [JP]; NIPPON OIL CORP [JP]; JAPAN PETROLEUM EXPLORATION CO [JP]; COSMO OIL CO LTD [JP]; NIPPON STEEL ENG CO LTD [JP]	Process for production of synthetic naphtha
EG25976 A 20121118	EG20090300413 20090329	C25B1/02	RAMY SAFWT KAMEL MAHMOUD [EG]	Hydrogen power generator
EG25978 A 20121118	WO2008GB03068 20080910; GB20070018278 20070919		RUE DE INT LTD [GB]	Security element

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EG25985 A 20121121	WO2008US11055 20080924; US20070904728 20070928	C08F4/6592	CHEVRON PHILLIPS CHEMICAL CO [US]	Polymerization catalysts for producing polymers with high comonomer incorporation
EG25987 A 20121121	WO2008US11068 20080924; US20070862014 20070926	B01J21/06; B01J23/26; B01J35/10; B01J37/02; B01J37/08; C08F4/18; C08F4/24	CHEVRON PHILLIPS CHEMICAL CO [US]	Methods of preparing a polymerization catalyst
EG25990 A 20121126	WO2006JP317681 20060906; JP20050263098 20050909; JP20050263099 20050909	C23C22/07; C09D5/08; C09D161/06	TOYO SEIKAN KAISHA LTD [JP]	Resin-coated seamless aluminum can and resin-coated aluminum alloy lid
EG25996 A 20121204	US20090460183 20090715	G01V3/12	PGS GEOPHYSICAL AS [NO]	Method for determining resistivity anisotropy from earth electromagnetic transient step response and electromagnetic transient peak impulse response
EG26010 A 20121209	WO2007SE50079 20070208; SE20060000288 20060209	F21K99/00; H05B33/08	TAGE DUNGSKOG [SE]	Device for fluorescent tube armatures
EG26014 A 20121210	EP20070006566 20070329	C07C273/04	UREA CASALE SA [CH]	Method for modernizing a urea production plant

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EG26023 A 20121210	EG20100701240 20100721	F24J2/02	NABIL MAHMOUD TALAT WAHBA SAMAK [EG]	Solar heat collector with two focuses to melt sand/salt/to produce methanol and/or to generate electricity even at night by the different circuits of the cooling method from not exceeding 99 DEG C heat absorbed and stored in water
EG26028 A 20121212	WO2007US01672 20070122; US20060761122P 20060123; US20060795727P 20060428; US20060854837P 20061027	C11D3/386; C11D3/395; C11D3/40	PROCTER & GAMBLE [US]	Detergent compositions containing enzyme and photobleach
EG26035 A 20121219	WO2008EP55707 20080508; IT2007UD00159 20070907	B65D17/34	INTERNAT PATENTS AND BRANDS CORP [PA]	Container for a substance, in particular a drink, with a tear-open closing element
EG26040 A 20121227	EG20090300325 20090312	G05B11/01	MOHAMMED HELMY ABD EL- RAOUF MOHAMMED [EG]	Fifteen values automated decade capacitance fabricated by optimum number of elements
EG26041 A 20121227	WO2008EP60323 20080806; EP20070116753 20070919	A23F3/14; A23F3/16; A23F3/30	UNILEVER PLC [GB]	Beverage precursor and process for the manufacture thereof

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EP2470311 A2 20120704	US20100024497 20100217; US20100707651 20100217; US20100707656 20100217; US20090237476P 20090827; US20100024498 20100217; US20100304403P 20100213; US20100707653 20100217; US20100024499 20100217; WO2010US02260 20100816	B09B3/00; F03G7/00; F24J2/00	MCALISTER TECHNOLOGIES LLC [US]	SYSTEMS AND METHODS FOR SUSTAINABLE ECONOMIC DEVELOPMENT THROUGH INTEGRATED FULL SPECTRUM PRODUCTION OR RENEWABLE MATERIAL RESOURCES USING SOLAR THERMAL

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EP2470312 A2 20120704	WO2010US24498 20100217; US20100707653 20100217; US20100707651 20100217; WO2010US24497 20100217; US20100707656 20100217; WO2010US24499 20100217; US20100304403P 20100213; US20100345053P 20100514; US20090237476P 20090827; WO2010US45674 20100816	B09B3/00; F03G7/00; F24J2/00	MCALISTER TECHNOLOGIES LLC [US]	SUSTAINABLE ECONOMIC DEVELOPMENT THROUGH INTEGRATED PRODUCTION OF RENEWABLE ENERGY, MATERIALS RESOURCES, AND NUTRIENT REGIMES

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EP2470786 A1 20120704	US20100707653 20100217; WO2010US24497 20100217; US20100304403P 20100213; US20100707651 20100217; US20100707656 20100217; WO2010US24499 20100217; WO2010US24498 20100217; US20090237476P 20090827; WO2010US45669 20100816	F03G7/00; F03D9/00; F03G6/00; F24J2/42; F24J3/08	MCALISTER TECHNOLOGIES LLC [US]	SYSTEMS AND METHODS FOR SUSTAINABLE ECONOMIC DEVELOPMENT THROUGH INTEGRATED FULL SPECTRUM PRODUCTION OF RENEWABLE ENERGY
EP2470826 A1 20120704	DE200910035451 20090731; DE200910039136 20090827; WO2010EP04627 20100728	F21S11/00; E04D13/03; F21V11/04; F24J2/16; F24J2/54	BARTENBACH HOLDING GMBH [AT]	LIGHT GUIDING DEVICE
EP2470838 A2 20120704	DE200910039021 20090828; DE201020001474U 20100129; US20100713536 20100226; WO2010EP62343 20100824	F24J2/14; F24J2/54	FLAGSOL GMBH [DE]	PARABOLIC TROUGH COLLECTOR

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EP2470839 A1 20120704	WO2010EP04579 20100727; DE200910039341 20090829	F24J2/54	BOSCH GMBH ROBERT [DE]	TRACKING DEVICE
EP2470970 A1 20120704	DE200910038883 20090826; WO2010EP61689 20100811	G05B23/02; F24J2/40	SIEMENS AG [DE]	METHOD AND ARRANGEMENT FOR MONITORING A COMPONENT
EP2471108 A2 20120704	EP20090168603 20090825; WO2010IB53744 20100819; EP20100752628 20100819	H01L31/055	KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS INTELLECTUAL PROPERTY [DE]	Luminescent solar energy concentrator
EP2472111 A1 20120704	JP20090192672 20090824; WO2010JP63615 20100811	F03G6/00; F24J2/18; G02B19/00	TOKYO INST TECH [JP]	SOLAR LIGHT CONDENSING SYSTEM
EP2472130 A1 20120704	EP20100014827 20101122; DE200920017491U 20091222	F16B7/04; F16B7/18; F24J2/52	VM EDELSTAHLTECHNIK GMBH [DE]	Connector element
EP2472194 A1 20120704	EP20100197196 20101228	F24J2/05; F24J2/40; F24J2/46	TVP SOLAR S A [CH]	Method for performing an exhaust cycle of a vacuum solar thermal panel
EP2472195 A1 20120704	EP20100197158 20101228	F24J2/54; F24J2/14; H02P25/20	HAWE HYDRAULIK SE [DE]	Solar panel channel
EP2472196 A1 20120704	EP20100197159 20101228	F24J2/54	HAWE HYDRAULIK SE [DE]	Solar trough collector
EP2472197 A1 20120704	US20090274927P 20090824; WO2010CN75376 20100721	F24J2/54; G05D3/00; H02N6/00	LIAO HENRY H [CN]	TWO-AXLE SOLAR TRACKING SYSTEM AND DEVICE FOR SOLAR PANELS

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EP2472600 A1 20120704	US20090274888P 20090824; WO2010CN76298 20100824	H01L31/052; F24J2/46; H02N6/00	LIAO HENRY H [CN]	SOLAR PHOTOVOLTAIC DEVICE AND SYSTEM
EP2473792 A2 20120711	WO2010IL00718 20100831; US20100282268P 20100111; US20090272199P 20090831	F24J2/06; F24J2/08; G02B3/06; G02B5/04; H01L31/052	UNIV BAR ILAN [IL]	COLLECTOR AND CONCENTRATOR OF SOLAR RADIATION
EP2473793 A1 20120711	US20090239265P 20090902; WO2010US47431 20100901	F24J2/22; F24J2/46; F24J2/52	3M INNOVATIVE PROPERTIES CO [US]	CONCENTRATING SOLAR MIRROR PANEL ASSEMBLY WITH CORRUGATED STIFFENER
EP2473794 A2 20120711	WO2010IB02520 20100830; FR20090004203 20090904	F24J2/52; F24J2/46; H01L31/042	CONSTELLIUM EXTRUSIONS DEUTSCHLAND GMBH [DE]	PROFILE MEMBER FOR A SOLAR PANEL FRAME
EP2474794 A1 20120711	EP20110150314 20110106	F24J2/04; F24J2/52	FIBRECEM HOLDING AG [CH]	Seal board
EP2474795 A1 20120711	EP20100197369 20101230	F24J2/50	TVP SOLAR S A [CH]	Vacuum solar thermal panel with pipe housing
EP2474796 A1 20120711	DE20101054175 20101210	F24J2/52; H01L31/048	WUERTH SOLAR GMBH & CO KG [DE]	Ceiling hook, in particular for support structures
EP2475884 A2 20120718	US20090241057P 20090910; WO2010IL00723 20100902	F03G6/00; F22B1/00; F24J2/07	YEDA RES & DEV [IL]	SOLAR POWER PLANT
EP2475885 A2 20120718	US20090241909P 20090913; WO2010US48677 20100913	F03G6/00; F24J2/04; F24J2/24; F24J2/34	US SOLAR HOLDINGS LLC [US]	SYSTEMS AND METHODS OF THERMAL ENERGY STORAGE AND RELEASE

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EP2475886 A2 20120718	US20090276269P 20090910; WO2010US48312 20100909	F03G6/04; F24J2/34; F24J2/48	HUNT ARLON J [US]	LIQUID METAL THERMAL STORAGE SYSTEM
EP2475894 A1 20120718	CA20092678584 20090908; WO2010CA01297 20100823	F04F1/14; B60K11/02; F01P5/10; F04F10/02; F24H1/18; F24H7/04; F24J2/30; F24J2/44	HUAZI LIN [CA]; W & E INTERNAT CANADA CORP [CA]	SELF-POWERED PUMP FOR HEATED LIQUID AND HEAT DRIVEN LIQUID CLOSE - LOOP AUTOMATIC CIRCULATING SYSTEM EMPLOYING SAME
EP2475937 A2 20120718	WO2008HU00094 20080731; HU20070000502 20070801	F24J2/07; F03G6/06; F24J2/12; F24J2/42; F24J2/52; F24J2/54	GOEDE GABOR [HU]	SOLAR POWER EQUIPMENT FOR THE INDUSTRIAL PROCESSING OF VARIOUS MATERIALS THROUGH THE UTILIZATION OF SOLAR ENERGY
EP2476971 A1 20120718	EP20070003044 20070213; DE200610006718 20060213	F24J2/46; F24J2/50	ZYRUS BETEILIGUNGSGMBH & CO PATENTE I KG [DE]	Solar Collector
EP2476972 A1 20120718	EP20110151150 20110117	F24J2/52	PAIRAN GMBH [DE]	Fixing device and sliding block for fixing photovoltaic modules
EP2477054 A1 20120718	WO2009CN01023 20090911	G02B19/00; F24J2/06; G02B3/08; G02B5/04; H01L31/052; H02N6/00	YUAN JIANZHONG [CN]	SOLAR CONDENSING DEVICE
EP2477948 A2 20120725	US20090243032P 20090916; US20100304824P 20100216; WO2010US49137 20100916	C02F1/14; C02F1/02	101 CELSIUS LLC [US]	SOLAR ENERGY CONVERSION SYSTEM

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EP2478301 A2 20120725	IT2009PD00263 20090914; WO2010IB53568 20100806	F24D3/14; E04B1/76; E04F13/08; F24D3/18; F24D11/02; F24J2/04	CONSORZIO PER L AREA DI RICERCA SCIENT E TECNOLOGICA DI TRIESTE [IT]; STP S R L [IT]	COVERING SYSTEM FOR HEATING/COOLING ROOMS AND THERMO- ACOUSTICALLY INSULATING VERTICALLY ENCLOSED IMMOVABLE SPACES
EP2478306 A2 20120725	US20090243154P 20090916; WO2010US49196 20100916	F24J2/04; F03G6/02; F24J2/10; F24J2/24; F24J2/38	SOLAR LOGIC INC [US]	SOLAR ENERGY POWER GENERATION SYSTEM
EP2478307 A2 20120725	WO2010IE00050 20100817; IE20090000637 20090821	F24J2/05	KINGSPAN HOLDINGS IRL LTD [IE]	SOLAR COLLECTOR
EP2478308 A2 20120725	IT2009RM00476 20090918; WO2010IT00389 20100910	F24J2/10; F24J2/14	ENEA AGENZIA NAZ PER LE NUOVE TECNOLOGIE L EN E LO SVILUPPO ECONOMICO SOSTENIBILE [IT]	A REFLECTING- PANEL HAVING A THIN MIRROR AND A SUPPORT MADE OF COMPOSITE MATERIAL SMC (SHEET MOULDING COMPOUND) FOR LINEAR PARABOLIC SOLAR CONCENTRATORS
EP2478309 A2 20120725	DE201020007622U 20100604; DE200910029611 20090918; WO2010EP63809 20100920	F24J2/52	FM KUNSTSTOFFTECHNIK GMBH [DE]	CONNECTION ELEMENT FOR A HOLDING ELEMENT FOR A REGENERATIVE ENERGY MODULE SYSTEM
EP2479158 A1 20120725	KR20110007485 20110125	C04B35/573; C04B38/00; F24J2/07; F24J2/24; F28D7/00	KOREA ENERGY RESEARCH INST [KR]	Silicon carbide honeycomb and method of preparing the same
EP2479511 A1 20120725	IT2011TO00045 20110124	F24J2/46; F16L3/18; F24J2/54	ASTROFLEX S P A [IT]	Device for connecting the receiving tube of an adjustable solar collector to stationary pipes

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EP2479512 A1 20120725	EP20110152050 20110125	F24J2/52	SONNENZEIT GMBH [DE]	Supporting structure and method for mounting same
EP2479513 A2 20120725	ES20110030060U 20110125	F24J2/52; F24J2/46	PRODUCCIONES MITJAVILA S A [ES]	Structure of photovoltaic panels
EP2479514 A2 20120725	DE201110003026 20110124	F24J2/52; H01L31/042; H01L31/048	FISCHER PROFIL GMBH [DE]; SCHUECO INT KG [DE]	Device for assembling attachments to or on ceiling, wall and façade elements fixed to a substructure
EP2480838 A2 20120801	IT2009RM00457 20090909; WO2010IT00384 20100903	F24J2/12	FARINA GIUSEPPE [IT]	PARABOLIC CONCENTRATOR WITH PIVOTING PARABOLICALLY CURVED SECTORS
EP2481866 A2 20120801	KR20090090192 20090923; KR20100043941 20100511; WO2010KR05991 20100903	E04F11/18; E04B1/00; F24J2/38	LG HAUSYS LTD [KR]	PHOTOVOLTAIC MODULE ATTACHED TO GUARDRAIL
EP2482001 A1 20120801	EP20110152016 20110125	F24J2/10; C09J5/00; F24J2/14	NOVATEC SOLAR GMBH [DE]	Bonding method for manufacturing optical mirrors
EP2483064 A2 20120808	DE200910047945 20091001; WO2010EP64698 20101001	B29D11/00; B32B17/10; F24J2/12; G02B5/08; G02B5/10	MITHRAS HOLDING GMBH & CO KG [DE]	METHOD FOR PRODUCING A SHAPED MIRROR; SHAPED MIRROR AND PARABOLIC TROUGH FOR SOLAR COLLECTORS
EP2483608 A2 20120808	IT2009UD00173 20091002; WO2010EP62526 20100827	F24J2/54	D D SRL [IT]	MOVEMENT MECHANISM AND SOLAR PLANT USING SAID MECHANISM
EP2484991 A1 20120808	WO2009ES70349 20090821	F24J2/54; F24J2/38	INDRA SIST S S A [ES]	SOLAR TRACKER FOR ORIENTING SOLAR PANELS

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EP2486340 A2 20120815	FR20090057054 20091009; WO2010FR52100 20101006	F24J2/05; F24J2/24; F24J2/30; F24J2/32; F24J2/34; F24J2/48	SOPHIA ANTIPOLIS EN DEV [FR]	SOLAR COLLECTOR AND SYSTEM FOR PRODUCING HOT WATER COMPRISING SUCH SOLAR COLLECTORS
EP2486341 A2 20120815	US20100303615P 20100211; US20090249562P 20091007; WO2010US51690 20101006	F24J2/07; F24J2/14; F24J2/18; F24J2/24	AREVA SOLAR INC [US]	MULTI-TUBE SOLAR THERMAL RECEIVER
EP2486343 A2 20120815	US20090265494P 20091201; WO2010EP68653 20101201	F24J2/07; F24J2/14; F24J2/48	SIEMENS CONCENTRATED SOLAR POWER LTD [IL]	HEAT RECEIVER TUBE, METHOD FOR MANUFACTURING THE HEAT RECEIVER TUBE, PARABOLIC TROUGH COLLECTOR WITH THE RECEIVER TUBE AND USE OF THE PARABOLIC TROUGH COLLECTOR
EP2486345 A1 20120815	FR20090056988 20091007; WO2010EP64982 20101007	F24J2/54	EXOSUN [FR]	METHOD FOR EMBEDDING A SOLAR STRUCTURE
EP2486601 A2 20120815	WO2010FR00665 20101006; FR20090004799 20091007	H01L31/048; E04D13/18; F24J2/46; H01L31/042	OXYMETAL SA [FR]	BUILT-IN PREFABRICATED PHOTOVOLTAIC COVER
EP2487432 A1 20120815	ES20090001948 20091005; WO2010ES00404 20101004	F24J2/05; F24J2/46	ABENGOA SOLAR NEW TECH SA [ES]	VACUUM-ENHANCING SYSTEM, OR NON- EVAPORABLE GETTER
EP2487433 A1 20120815	ES20090001950 20091005; WO2010ES00406 20101004	F24J2/05; F24J2/46	ABENGOA SOLAR NEW TECH SA [ES]	METHOD FOR PRODUCING A SOLAR POWER RECEIVING TUBE AND RESULTING TUBE

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EP2487434 A2 20120815	ES20090001949 20091005; WO2010ES00405 20101004	F24J2/46; B21D5/00; B23K26/00	ABENGOA SOLAR NEW TECH SA [ES]	SYSTEM FOR SUPPORTING AN EVAPORABLE GETTER OR VACUUM GAUGE
EP2487435 A1 20120815	EP20110001119 20110211	F24J2/52	FREUDENBERG CARL KG [DE]	Clamping joint for fastening board-shaped construction elements particularly solar modules
EP2487436 A1 20120815	EP20110001120 20110211	F24J2/52	FREUDENBERG CARL KG [DE]	Clamp-connector for fastening plate-like components, particularly solar modules
EP2488798 A1 20120822	US20090251568P 20091014; WO2010US52687 20101014	F24J2/05; F24J2/30; F24J2/32; F28D15/02	LEE JEFFREY [US]	SOLAR ENERGY COLLECTOR SYSTEM AND METHOD
EP2488799 A2 20120822	FR20090057204 20091014; WO2010EP65251 20101012	F24J2/07; F24J2/46; F28F13/06; F28F13/12	CENTRE NAT RECH SCIENT [FR]	TEXTURED MODULAR SOLAR SURFACE RECEPTOR OPERATING AT A HIGH TEMPERATURE
EP2488800 A1 20120822	US20100904695 20101014; US20090252372P 20091016; WO2010US52796 20101015	F24J2/12	D & D MFG [US]	SOLAR DISH COLLECTOR SYSTEM AND ASSOCIATED METHODS
EP2488801 A1 20120822	DE200910049396 20091014; DE200910052001 20091105; WO2010EP64301 20100928	F24J2/52; H01L31/042	BOSCH GMBH ROBERT [DE]	CARRYING ASSEMBLY FOR PHOTOVOLTAIC MODULES

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EP2488802 A2 20120822	FR20090057178 20091013; WO2010FR52174 20101013	F24J2/54; F24J2/52; H01L31/042; H01L31/058	VINCENT IND [FR]	DEVICE SHAPED SO THAT IT CAN BE USED ALONE TO SECURE A SOLAR PANEL TO A SINGLE BEAM OF A SUPPORT STRUCTURE, AND UNIT COMPRISING ONE SUCH DEVICE
EP2488813 A1 20120822	CZ20090000673 20091012; WO2010EP52751 20100304	F28D1/047; F24J2/04; F24J2/05; F24J2/50; F24J2/54; F28F1/22; F28F13/00; F28F21/04	KOUT CZ GMBH [DE]	ENERGY CONVERTER DEVICE FOR USE AS A SOLAR COLLECTOR OR A RADIATOR
EP2489079 A2 20120822	DE200910049228 20091013; WO2010EP06202 20101011	H01L31/052; F24J2/06	FRAUNHOFER GES FORSCHUNG [DE]	DEVICE FOR CONCENTRATING AND CONVERTING SOLAR ENERGY
EP2489831 A2 20120822	DE201110011314 20110215	E21D11/08; F24J2/04; F24J3/08; F28D1/047; F28D1/06; F28D21/00; F28F21/04	REHAU AG & CO [DE]	Segment with heat collector
EP2489957 A2 20120822	FR20110051336 20110218	F24J2/04; F24J2/52	TENESOL [FR]	Mounting structure, kit for manufacturing such a structure, system for collecting solar power including such a structure, facility including such a system and mounting method for such a system
EP2489958 A1 20120822	FR20110051339 20110218	F24J2/04; F24J2/46; F24J2/52	TENESOL [FR]	Mounting structure, kit for manufacturing such a structure, system for collecting solar energy including such a structure and facility including such a system

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EP2489959 A2 20120822	EP20090169371 20090903; DE200910018520 20090424	F24J2/05; F24J2/26; F24J2/46; F24J2/50	ZYRUS BETEILIGUNGSGMBH & CO PATENTE I KG [DE]	Solar collector, compound glazing and absorber and use of such an absorber
EP2489960 A1 20120822	ES20090001434U 20091015; WO2010ES00408 20101008	F24J2/18; H01L31/052	SOLTEC EN RENOVABLES SL [ES]	SOLAR-ENERGY COLLECTOR/CONCENTRATOR, WITH CASSEGRAIN-TYPE OPTICS
EP2489961 A1 20120822	IT2011MI00241 20110218	F24J2/38; F24J2/54	INTEGRA RENEWABLE EN S R L [IT]	Solar energy conversion system with solar tracker
EP2489962 A2 20120822	AT20110000225 20110221	F24J2/52; H01L31/042	SEDELMAYER RAINER [AT]; SEDELMAYER ROLAND [AT]	Device for fastening photovoltaic collectors
EP2491197 A2 20120829	FR20090057336 20091020; WO2010FR52217 20101019	E04D3/30; E04D13/18; E04F13/08; F24J2/52; H01L31/042	JLMP [FR]	COVER ELEMENT THAT CAN PRODUCE ELECTRICITY
EP2491313 A2 20120829	FR20090057431 20091022; WO2010FR52260 20101022	F24J2/05; F24J2/24; F24J2/26	SAINT GOBAIN [FR]	SOLAR COLLECTOR
EP2491314 A1 20120829	US20090279602P 20091023; WO2010US53856 20101022	F24J2/14	GOSSAMER SPACE FRAMES [US]	THIN MIRROR WITH TRUSS BACKING AND MOUNTING ARRANGEMENT THEREFOR
EP2491315 A1 20120829	US20090253978P 20091022; WO2010US53189 20101019	F24J2/52; H01L31/042; H01L31/048	DOW GLOBAL TECHNOLOGIES LLC [US]	A DIRECT MOUNTED PHOTOVOLTAIC DEVICE WITH IMPROVED CLIP
EP2491597 A1 20120829	US20090253974P 20091022; WO2010US53193 20101019	H01L31/042; F24J2/52; H01L31/048	DOW GLOBAL TECHNOLOGIES LLC [US]	A DIRECT MOUNTED PHOTOVOLTAIC DEVICE WITH IMPROVED FRONT CLIP

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
EP2492067 A1 20120829	EP20110155783 20110224	B26D1/08; B26F1/18; E04B1/76; F24J2/24; F24J2/51	URSA INSULATION S A [ES]	Device for forming at least one line of weakness in a mineral wool blanket, corresponding method and product obtained by applying said method as well as specific use of such product
EP2492608 A1 20120829	EP20110155456 20110222	F24J2/04; F24J2/54	GREEN PLUS CO LTD [KR]; PARK YOUNG HWAN [KR]	Apparatus for tracking and condensing sunlight of wall installation type
EP2492609 A1 20120829	EP20080768175 20080606; US20070933620P 20070606	F24J2/07; F24J2/46; F24J2/48	AREVA SOLAR INC [US]	Integrated solar energy receiver-storage unit
EP2494201 A2 20120905	US20090256814P 20091030; WO2010US54855 20101029	F03G6/00	AREVA SOLAR INC [US]	DUAL FLUID CIRCUIT SYSTEM FOR GENERATING A VAPOROUS WORKING FLUID USING SOLAR ENERGY
EP2494280 A1 20120905	EP20100425130 20100422; WO2011EP54688 20110328; EP20110710212 20110328	F24J2/05; F04B37/04; F24J2/46; H01J7/18; H01K1/54	GETTERS SPA [IT]	IMPROVED GETTER SYSTEM FOR HYDROGEN SENSITIVE DEVICES
EP2495440 A1 20120905	JP20090291637 20091224; WO2010JP67358 20101004	F03G6/00; F24J2/24	MITSUBISHI HEAVY IND LTD [JP]	SOLAR LIGHT HEAT RECEIVER, AND SOLAR LIGHT COLLECTING AND HEAT RECEIVING SYSTEM
EP2495507 A1 20120905	EP20110001721 20110302	F24J2/52; H01L31/042	RENUSOL GMBH [DE]	Fixing element for solar module frames
EP2495508 A2 20120905	DE201120003490U 20110304	F24J2/52	SODEIK CLEMENS [DE]; SODEIK MATTHIAS [DE]	Retaining clip
EP2495509 A2 20120905	US20100416841P 20101124	F24J2/54; F16H25/18; F16H25/20	MAGNA CLOSURES INC [CA]	Solar panel system

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EP2496892 A1 20120912	WO2010NO00360 20101013; NO20090003299 20091106	F24J2/04; E04D13/18	FLAAX HOLDING AS [NO]	SOLAR CELL ROOF TILES
EP2496904 A2 20120912	IT2009RM00556 20091103; WO2010IT00441 20101103	F28F1/40; F24J2/07; F28F13/14	ADVANCED RES CONSULTING S R L [IT]	TUBULAR HEAT EXCHANGER, IN PARTICULAR RECEIVING TUBE OF A CONCENTRATING SOLAR PLANT
EP2498022 A1 20120912	JP20090254900 20091106; WO2010JP69708 20101105	F24J2/38; F24J2/10; G02B7/182	MITSUBISHI HEAVY IND LTD [JP]	SUNLIGHT COLLECTION SYSTEM, AND METHOD FOR ADJUSTING REFLECTING MIRROR OF SUNLIGHT COLLECTION SYSTEM
EP2498023 A1 20120912	DE201110014391 20110310	F24J2/52; H01L31/042	CREOTECC GMBH [DE]	Standardised fixing system for photovoltaic modules and assembly method
EP2500480 A2 20120919	DE201110001377 20110317	E04B2/88; E04B2/90; E04F13/08; E06B3/54; F24J2/52; H01L31/042	KORFF MICHAEL [PL]	Thermally isolated console with a support anchor comprising a support surface
EP2500586 A1 20120919	DE201120004144U 20110318	F16B5/02; F16B25/00; F16B25/10; F24J2/52	ETANCO GMBH [DE]	Hanger bolts or solar fixators for fixing assemblies, signs, panels or other objects to be fixed to structures
EP2500669 A1 20120919	EP20110158044 20110314	F24J2/07; F24J2/24	SOLAR MILLENNIUM AG [DE]	Thermal solar tower power plant
EP2500670 A1 20120919	EP20110382068 20110314	F24J2/10	RIOGLASS SOLAR S A [ES]	Composite reflective element and method for the manufacture thereof
EP2500671 A2 20120919	DE201110014187 20110316	F24J2/20; F24J2/46	KOLLBRUNNER RETO J [CH]	Device for collecting and/or exchanging thermal energy

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EP2500673 A1 20120919	ES20090002158 20091112; WO2010ES00456 20101111	F24J2/51; F24J2/05	ABENGOA SOLAR NEW TECH SA [ES]	INSULATING ELEMENT FOR EXPANSION COMPENSATION DEVICE AND METHOD FOR MANUFACTURE THEREOF
EP2502005 A2 20120926	US20090622764 20091120; WO2010US55666 20101105	F24J2/10; H01L31/042; H01L31/052	SUNPOWER CORP [US]	A DEVICE AND METHOD FOR SOLAR POWER GENERATION
EP2502006 A1 20120926	SE20090001465 20091118; WO2010SE51274 20101118	F24J2/30	SOLAR SOLUTION I GAGNEF AB [SE]	COLLECTION OF SOLAR ENERGY
EP2502008 A2 20120926	DE200910054242 20091121; WO2010DE01282 20101030	F24J2/52	JUWI R & D RES DEV GMBH & CO KG [DE]	DEVICE FOR FASTENING AT LEAST ONE SOLAR MODULE
EP2503259 A1 20120926	EP20110159638 20110324	F24J2/04; F24J2/52	BELENOS CLEAN POWER HOLDING AG [CH]	Solar panel facility and method for installing such a facility on a surface of a building
EP2503260 A2 20120926	JP20110064517 20110323	F24J2/07; F24J2/04; F24J2/10; F24J2/16; F24J2/24; F24J2/34	TOSHIBA KK [JP]	Solar heat collecting apparatus and solar power generation system
EP2503261 A1 20120926	WO2010ES00481 20101119; ES20090030678U 20091119; US20100821327 20100623	F24J2/46; F24J2/24; F24J2/40	TORRENS RASAL JOSE MARIA [ES]	SOLAR COLLECTOR WITH HEAT SINK
EP2503600 A2 20120926	DE20111015118 20110322	H01L31/042; F24J2/52	CREOTECC GMBH [DE]	Safety clamp for PV modules and method for securing PV modules in an insertion system

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EP2504633 A1 20121003	SE20090001475 20091123; WO2010SE51151 20101025	F24J2/20; E04B1/00	NORDISKA BALCO AB [SE]	DEVICE FOR HEATING OF AIR IN A GLAZED BALCONY
EP2504634 A2 20121003	IT2009TO00914 20091125; WO2010IB55361 20101123	F24J2/24; B64G1/44; F24J2/14; F24J2/52; H01L31/045	PICCIONE GABRIELLA [IT]; ZAMBON MARTA [IT]	EXPANDABLE SOLAR COLLECTOR
EP2504635 A2 20121003	DK20090001238 20091124; WO2010DK00155 20101124	F24J2/28; F04D29/42; F04D29/70; F24J2/20	CHRISTENSEN HANS JORGEN [DK]	IMPROVEMENT OF A SOLAR COLLECTOR PANEL
EP2504637 A2 20121003	DE200910054160 20091123; WO2010EP68032 20101123	F24J2/46; B08B3/02	WOCKEN INDUSTRIEPARTNER GMBH & CO KG [DE]	CLEANING SYSTEM FOR A SOLAR SYSTEM
EP2505933 A2 20121003	DE20111011833 20110214	F24J2/04; E04B7/18; E04D13/00; H01L31/048	ROTO FRANK AG [DE]	Roof-based solar module assembly
EP2505934 A1 20121003	IT2011BO00157 20110328	F24J2/46	HYMACH S R L [IT]	An apparatus for cleaning solar panels
EP2505935 A1 20121003	EP20110002542 20110328	F24J2/52; F24J2/04	SUNSTROM GMBH [DE]; JAEHNIG GMBH FELSSICHERUNG UND ZAUNBAU [DE]	Fixing system and method for fixing flat elements to a body
EP2505936 A1 20121003	DE201120001943U 20110126	F24J2/52; F24J2/46	SODEIK CLEMENS [DE]; SODEIK MATTHIAS [DE]	Mounting device for a mounting profile
EP2507550 A2 20121010	WO2010EP68755 20101202; EP20100795970 20101202; EP20090178097 20091204	F22B1/00; F02C1/00; F02C1/05; F02C1/06; F02C6/18; F22B1/18; F22G1/16; F24J2/10	SON S R L [IT]; NOOTER ERIKSEN S R L [IT]	HEAT RECOVERY STEAM GENERATOR, METHOD FOR RETROFITTING A HEAT RECOVERY STEAM GENERATOR AND RELATED PROCESS FOR GENERATING POWER

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EP2507564 A2 20121010	DE200920016353U 20091203; WO2010EP07088 20101123	F24J2/52	C W F GMBH [DE]	CARRIER ASSEMBLY FOR A SOLAR ENERGY SYSTEM
EP2508688 A2 20121010	NL20112006546 20110405; NL20112006964 20110617	E04D5/12; E04D5/14	JOHNSOL B V [NL]	Roof covering element
EP2508694 A1 20121010	DE201110015878 20110404	E04H6/02; B60L11/18; F24J2/00; H01L31/042	ARETANA SOLAR GMBH [DE]	Carport
EP2508816 A1 20121010	DE201120004843U 20110405	F24J2/52; H01L31/048	KOENGENER ASSET MAN UG HAFTUNGSBESCHRAENKT [DE]	Ceiling hook
EP2509114 A2 20121010	US201113079900 20110405	H01L31/042; F24J2/52	GEN ELECTRIC [US]	Photovoltaic mounting system with grounding bars and method of installing same
EP2510290 A1 20121017	SE20090050949 20091209; WO2010SE51353 20101208	F24J2/34; F25B17/08; F25B30/04	CLIMATEWELL AB PUBL [SE]	THERMAL SOLAR PANEL WITH INTEGRATED CHEMICAL HEAT PUMP
EP2510291 A2 20121017	DE200910057937 20091207; WO2010EP68285 20101126	F24J2/52	SOLARMARKT AG [DE]	BACK RAIL AND BACK RAIL ADAPTER FOR A FRAMELESS, MULTI-LAYERED SOLAR MODULE
EP2511622 A2 20121017	DE201120005449U 20110415	F24J2/04; F24J2/52	MOUNTING SYSTEMS GMBH [DE]	Solar module assembly, in-roof fixing system and end profile for an in-roof fixing system
EP2511623 A1 20121017	CN20111090144 20110411	F24J2/52	SHA YAN [CN]; XIAOLIN SHA [CN]	Method for installing a pressing block suit of a solar panel
EP2511624 A2 20121017	DE201120005202U 20110413	F24J2/52	VM EDELSTAHLTECHNIK GMBH [DE]	Profile element for fixing solar modules

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EP2511625 A2 20121017	DE201110017053 20110414	F24J2/52; F16B21/08; H01L31/042	VM EDELSTAHLTECHNIK GMBH [DE]	Clamp element for fixing solar modules and fixing device
EP2513570 A1 20121024	WO2009EP09147 20091218	F24J2/00; H01L31/052	SIEMENS AG [DE]	SOLAR POWER GENERATOR MODULE
EP2513571 A2 20121024	US20090286617P 20091215; WO2010US60477 20101215	F24J2/08; F01K3/18; F22B1/02; F22B1/28; F22B33/18	UNIV RICE WILLIAM M [US]	ELECTRICITY GENERATION USING ELECTROMAGNETIC RADIATION
EP2513573 A2 20121024	US20090637133 20091214; WO2010US60183 20101214	F24J2/46; F24J2/05; F24J2/07	PRATT & WHITNEY ROCKETDYNE INC [US]	SOLAR RECEIVER AND SOLAR POWER SYSTEM HAVING COATED CONDUIT
EP2514533 A1 20121024	DE20112005524U 20110423	B08B1/04; B08B1/00; F24J2/46	STAUDINGER GMBH [DE]	Self-propelled cleaning device for cleaning solar modules
EP2515051 A1 20121024	WO2009CN75668 20091217	F24J2/38; G02B5/08; G05D3/00	WANG CHENGWEI [CN]; WANG ZHIMING [CN]	HELIOSTAT DEVICE
EP2515052 A1 20121024	EP20110003403 20110423	F24J2/54; F24J2/38	SOLAR TRACKING SYSTEMS SL [ES]	Solar tracker
EP2515347 A1 20121024	IT2011MI00685 20110421	H01L31/042; E01F8/00; E02D5/00; F24J2/52; H01L31/048	TECHSUN ENERGY S R L [IT]; E MA PREFABBRICATI DI MASCAZZINI GIUSEPPE S R L [IT]	Pillar construction for photovoltaic systems
EP2515348 A1 20121024	CZ20110024243U 20110421	H01L31/042; B08B3/02; F24J2/46; H01L31/052	HELIOS TECH A S [CZ]; KASIKOVA GABRIELA [CZ]	Mechanical device for increasing the power of photovoltaic panels
EP2516940 A2 20121031	US20090288485P 20091221; WO2010IB55861 20101216	F24J2/46; F24J2/24; F24J2/50; F28F9/02; F28F9/18; F28F21/06	MAGEN ECO ENERGY A C S LTD [IL]	HEAT EXCHANGER AND A MANIFOLD FOR USE THEREIN

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EP2517262 A1 20121031	DE200910060498 20091223; WO2010EP06573 20101027	H01L31/042; H01L31/048	BINDER GOTTLIEB GMBH & CO KG [DE]	DEVICE FOR FASTENING PANEL-FORM MATS
EP2518316 A1 20121031	EP20110003503 20110428	F03G6/06; F24J2/12; F24J2/54	AZURSPACE SOLAR POWER GMBH [DE]	Mounting device for a solar generator unit
EP2518419 A1 20121031	EP20110382121 20110427	F24J2/51; F24J2/46	FABRIGAS S L U [ES]	Solar panel
EP2518420 A1 20121031	EP20110163913 20110427	F24J2/52; H01L31/042	BEKAERT SA NV [BE]	Photovoltaic energy harvesting system with flexible support
EP2518421 A2 20121031	DE201110017518 20110426	F24J2/52	HILTI AG [LI]	Solar assembly
EP2518535 A1 20121031	JP20090288776 20091221; WO2010JP68320 20101019	G02B5/08; B32B15/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]	FILM MIRROR AND PROCESS FOR PRODUCTION THEREOF, AND REFLECTION DEVICE FOR SOLAR POWER GENERATION PURPOSES
EP2518536 A1 20121031	JP20090288775 20091221; JP20090288778 20091221; WO2010JP72345 20101213	G02B5/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]	FILM MIRROR, PROCESS FOR PRODUCTION OF SAME, AND REFLECTION DEVICE FOR SOLAR POWER GENERATION PURPOSES COMPRISING SAME
EP2518537 A1 20121031	JP20090288969 20091221; WO2010JP72532 20101215	G02B5/08; F24J2/10	KONICA MINOLTA OPTO INC [JP]	FILM MIRROR AND PROCESS FOR PRODUCTION THEREOF, AND REFLECTION DEVICE FOR GENERATION OF SOLAR POWER
EP2518538 A1 20121031	JP20090288777 20091221; WO2010JP72979 20101221	G02B5/08; B32B7/02; B32B15/08; F24J2/10	KONICA MINOLTA ADVANCED LAYERS [JP]	FILM MIRROR, METHOD FOR PRODUCING SAME, AND REFLECTING DEVICE FOR SOLAR THERMAL POWER GENERATOR USING SAID FILM MIRROR

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EP2518779 A2 20121031	US201113095321 20110427	H01L31/048; F24J2/52	BLUE SUNNY SKIES LLC [US]	Grounding system for photovoltaic arrays
EP2518781 A2 20121031	US201113097714 20110429	H01L31/058	GEN ELECTRIC [US]	Hybrid solar concentration device
EP2519785 A2 20121107	DE200920017658U 20091228; WO2010EP70798 20101228	F24J2/54	LEHLE GMBH [DE]	DEVICE, IN PARTICULAR A HELIOSTAT OR PHOTOVOLTAIC DEVICE
EP2519978 A1 20121107	WO2009EP67956 20091228	H01L31/052; F24J2/08; G02B3/00; G02B3/08	PIRELLI & C SPA [IT]	PHOTOVOLTAIC CONCENTRATOR WITH OPTICAL STEPPED LENS AND OPTICAL STEPPED LENS
EP2520870 A1 20121107	WO2009ES70636 20091229	F24J2/04; E04B1/70; E04B2/88; E04F13/00; E04F17/04; F24F5/00	FUNDACION TECNALIA RES & INNOVATION [ES]	PASSIVE SOLAR COLLECTOR MODULE FOR BUILDING FACADES
EP2520871 A1 20121107	WO2009ES00582 20091218; ES20080003770 20081231	F24J2/05; F24J2/46	LOPEZ FERRERO ADOLFO LUIS [ES]	VACUUM-TUBE SOLAR COLLECTOR WITH OVERHEATING PROTECTION BY MEANS OF A ROTATING REFLECTOR
EP2520872 A1 20121107	EP20110165000 20110505	F24J2/07	SOLAR MILLENNIUM AG [DE]	Solar tower power plant - solar receiver
EP2520875 A1 20121107	ES20090031293 20091229; ES20090031292 20091229; WO2010ES70508 20100723	F24J2/38; F24J2/52	SOLUCIONES ENERGETICAS S A [ES]	DEVICE FOR ORIENTING SOLAR PANELS OR OTHER ELEMENTS USING MOVEMENT OF THE CENTRE OF GRAVITY
EP2520876 A1 20121107	EP20110425124 20110504	F24J2/04; H01L31/042	EN S R L V [IT]	Kit for installing a photovoltaic roofing
EP2520877 A2 20121107	DE201110100484 20110504	F24J2/52; H01L31/042	CREOTECC GMBH [DE]	Clamping device for PV modules

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EP2521885 A1 20121114	US20100311823P 20100309; WO2011EP52481 20110221	F24J2/14	SIEMENS CONCENTRATED SOLAR POWER LTD [IL]	SOLAR COLLECTION SYSTEM
EP2522917 A2 20121114	DE201110105823 20110513	F24D11/00; F24D19/10	VISSMANN WERKE KG [DE]	Method for operating a heating assembly
EP2522926 A2 20121114	DE201110101317 20110512	F24J2/04; F24J2/52	ROTO FRANK AG [DE]	Construction element assembly for a roof, disassembly tool and method for assembling a construction element assembly
EP2522927 A2 20121114	ES20120030504 20120402; ES20110030770 20110513	F24J2/05; F24J2/04; F24J2/07; F24J2/10; F24J2/12; F24J2/14; F24J2/16; F24J2/26; F24J2/50; F24J2/51	TERMO FLUIDS S L [ES]	Solar thermal collector with transparent insulation
EP2522928 A1 20121114	DE201120100399U 20110507	F24J2/52; A47F7/00; A47G33/12; E01F9/011; E04G1/32; E04H12/22	SODEIK CLEMENS [DE]; SODEIK MATTHIAS [DE]	Device for assembling structures on a flat surface or a surface with a low incline
EP2522991 A1 20121114	EP20110003907 20110512	G01N21/95; F24J2/46; G01N21/94	FACHHOCHSCHULE REGENSBURG [DE]	Device for inspection of a solar panel arrangement
EP2523224 A2 20121114	DE201110101186 20110509	H01L31/042; F24J2/52	CREOTECC GMBH [DE]	Clamp holder and clamp holder system for fitting a support profile for photovoltaic modules to a roof
EP2524176 A1 20121121	US20100295224P 20100115; WO2011CA00056 20110114	F24J2/10; F24J2/52	MAGNA MARQUE INTERNAT INC [CA]	SOLAR REFLECTOR ASSEMBLY
EP2524177 A2 20121121	FR20100000103 20100112; WO2011FR50055 20110112	F24J2/52; F24J2/46	JMA SOL [FR]	DEVICE FOR ATTACHING SOLAR PANELS AND METHOD FOR INSTALLING SOLAR PANELS

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EP2525125 A1 20121121	EP20110166763 20110519	F16L27/08; F24J2/46	HUHNSEAL AB [SE]	High temperature axial seal and method
EP2525161 A1 20121121	ES20100000047 20100115; WO2011ES00005 20110114	F24J2/24; F03G6/02; F03G6/06; F24J2/46	ABENGOA SOLAR NEW TECH SA [ES]	MOLTEN SALT SOLAR PANEL AND METHOD FOR REDUCING THE THERMAL GRADIENT OF SAID PANEL
EP2525162 A1 20121121	EP20110166762 20110519	F24J2/48	SANDVIK INTELLECTUAL PROPERTY [SE]	A solar thermal absorber material
EP2525163 A1 20121121	EP20110004081 20110517	F24J2/52	RENUSOL GMBH [DE]	Carrier unit for solar modules
EP2525164 A1 20121121	EP20110166851 20110520	F24J2/52; H01L31/042	MASPI SRL [IT]	Support structure for solar panels and the like
EP2525165 A1 20121121	DE201110102236 20110520	F24J2/52	BOSCH GMBH ROBERT [DE]	Support assembly for solar modules with east-west alignment
EP2525166 A1 20121121	DE201110102239 20110520	F24J2/52	BOSCH GMBH ROBERT [DE]	Solar module assembly with retention nut and allocated filler
EP2525167 A2 20121121	DE201110102728 20110520	F24J2/52	BOSCH GMBH ROBERT [DE]	Fastening device for at least one solar collector
EP2525413 A2 20121121	DE201120100947U 20110518	H01L31/048; F24J2/52	PALME SOLAR GMBH [DE]	Device for fixing photovoltaic modules to a flat roof
EP2526348 A2 20121128	NO20100000113 20100122; WO2011B00276 20110118	F24J2/20	FRANCKE HANS-CHRISTIAN [NO]	SOLAR COLLECTOR BOARD AND SYSTEM OF SOLAR COLLECTOR BOARDS
EP2526350 A2 20121128	DE201020001186U 20100120; WO2011EP50607 20110118	F24J2/52	KRINNER INNOVATION GMBH [DE]	FOUNDATION SYSTEM FOR SOLAR PANELS HAVING PREASSEMBLED FITTINGS
EP2527759 A2 20121128	FR20110001627 20110526	F24J2/04; H01L31/058	SYSTOVI [FR]	Method and facility for collecting solar energy
EP2527761 A2 20121128	DE201110076421 20110524	F24J2/42; F28D15/02	NARVA LICHTQUELLEN GMBH & CO KG [DE]	Heat transfer device
EP2527762 A1 20121128	EP20110167580 20110526	F24J2/52	MILBORO AG [LI]	Attachment device

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EP2527763 A2 20121128	CH20110000914 20110527	F24J2/52; E04D13/18; F24J2/46	GISLER MARKUS [CH]	Cladding system for cladding the external surface of a building
EP2529415 A2 20121205	FR20100000300 20100127; WO2011B50317 20110125	H01L31/058; F24J2/20	SUEZ ENVIRONNENT [FR]	MODULE FOR MIXED PHOTOVOLTAIC AND THERMAL POWER GENERATION FROM SOLAR RADIATION, AND PLANT PROVIDED WITH SUCH MODULES
EP2530402 A1 20121205	EP20110168174 20110531	F24J2/46; F24J2/50	TVP SOLAR S A [CH]	Vacuum solar thermal panel provided with an internal pressure indicator
EP2530403 A1 20121205	EP20110168125 20110530	F24J2/52	TENESOL [FR]	Mounting structure, system for collecting solar power including such a structure, facility including such a system and mounting method using such a structure
EP2530404 A2 20121205	FR20110054782 20110531	F24J2/52; E04D13/18; F24J2/46; H01L31/042	ALL STAR CORP LTD [CN]	Modular cover
EP2530744 A2 20121205	DE201110103170 20110601	H01L31/052	ERZ DAVID [DE]	Solar device with reflector device
EP2531783 A1 20121212	DE201010006567 20100202; DE201010006566 20100202; WO2011AT00059 20110202	F24J2/52; H01L31/042	LANDL & PARTNER GMBH [AT]	DEVICE FOR SUPPORTING AND/OR FASTENING SOLAR CELLS
EP2532985 A1 20121212	EP20110169055 20110608	F24J2/46	KBB KOLLEKTORBAU GMBH [DE]	Solar panel
EP2532986 A1 20121212	DE201110103537 20110607	F24J2/46; A47L1/02; B08B1/00; B08B1/04	JAEGER ANTON [DE]	Cleaning device

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EP2532987 A2 20121212	TW20110119757 20110607	F24J2/52	AU OPTRONICS CORP [TW]	Adjustable mount for supporting solar panel and angle-adjusting method therefor
EP2532988 A1 20121212	FR20110054957 20110607	F24J2/52	SOLAR CONSTRUCT [FR]	Modular assembly for binding at least one solar panel to a roof and method for installing such a modular assembly
EP2533300 A2 20121212	DE201110111341 20110608	H01L31/048	RIETH DIETRICH [DE]	Solar roof
EP2534329 A1 20121219	DE201010005054 20100120; WO2011B50185 20110116	E06B9/386; F21S11/00; F21V7/00; F24J2/40	KOESTER HELMUT [DE]	Z-SHAPED VENETIAN BLIND SLATS FOR DAYLIGHT DEFLECTION
EP2534431 A2 20121219	IN2010MU00364 20100210; WO2011N00089 20110209	F24J2/38; G01S3/786	DIPANKAR [IN]	SCALABLE AND RAPIDLY DEPLOYABLE MASTER-SLAVE METHOD AND APPARATUS FOR DISTRIBUTED TRACKING SOLAR COLLECTOR AND OTHER APPLICATIONS
EP2535259 A1 20121219	CH20110001004 20110615	B63B35/44; F24J2/52; F24J2/54	PLANAIR SA [CH]	Array of floating photovoltaic elements
EP2535661 A1 20121219	EP20110425260 20111024	F24J2/52; H01L31/042	DOORS SISTEM S R L [IT]	Modular type assembly system for the installation of photovoltaic system
EP2535662 A1 20121219	EP20110170214 20110616	F24J2/54	HAWE HYDRAULIK SE [DE]	Solar reflector with hydraulic adjustment device
EP2535663 A1 20121219	EP20110170215 20110616	F24J2/54; F15B11/00	HAWE HYDRAULIK SE [DE]	Solar reactor with hydraulic adjustment device
EP2536896 A1 20121226	FR20100051094 20100216; WO2011FR50321 20110215	E04D11/00; F24J2/52	SOPREMA SAS [FR]	DEVICE FOR FIXING PLATES OR PANELS TO A COVER, AND RESULTING COMPOSITE COVER

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EP2536981 A2 20121226	DE20101027046 20100714; DE20101008600 20100219; WO2011EP52429 20110218	F24J2/04; F24J2/46	KONSCHA ENGINEERING GMBH [DE]	OUTER BUILDING ELEMENT
EP2537187 A2 20121226	US20100305646P 20100218; WO2011US25378 20110218	H01L31/042	SAINT GOBAIN PERFORMANCE PLAST [DE]	ATTACHMENT OF PHOTOVOLTAIC DEVICES TO SUBSTRATES USING SLOTTED EXTRUSION MEMBERS
ES1077372U U 20120711	ES20120030470U 20120502	F24J2/00; F04D25/00	ENERGY PANEL S L [ES]	BOMBA DE CALOR CON EVAPORACION INDIRECTA Y PANEL SOLAR DESNUDO
ES1077760U U 20121002	ES20120030943U 20120911	F24J2/52; H01L31/042	APLICACIONES TECN DE LA EN S L [ES]	ESTRUCTURA PARA EL MONTAJE DE PANELES CAPTADORES DE ENERGIA SOLAR.
ES1077770U U 20121005	ES20120000661U 20120704	F24J2/51	ESTEVEZ RUBINO GERARDO [ES]	Calentador solar ¼ptimo
ES1077880U U 20121022	ES20120000351U 20120413	F24J2/48	GARVIA PINGARRON EDUARDO [ES]	Aparato ligero calentador solar de aire y/o agua
ES1078151U U 20121129	ES20120000924U 20121004	F24J2/52	PRETENSADOS DURAN S L [ES]	Conjunto de piezas prefabricadas de hormigón para soporte de estructuras y paneles solares.
ES1078230U U 20121211	ES20120031245U 20121123	F24J2/00	UNIVERSAL DE SUMINISTRO S L [ES]	Sistema de sujeci³n para paneles fotovoltaicos.
ES2384779 A1 20120712	ES20100031843 20101214	F24J2/46; B08B3/02	ABENGOA SOLAR NEW TECH SA [ES]	DISPOSITIVO PARA LA LIMPIEZA DE TUBOS ABSORBEDORES DE COLECTORES SOLARES CILINDRICO-PARABOLICOS.
ES2384844 A1 20120713	US20090181065P 20090526	F24J2/54; H01L31/042	YOUNG & FRANKLIN INC [US]	SISTEMA DE ACCIONAMIENTO BASADO EN ACTUADOR PARA COLECTOR SOLAR.

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ES2384936 A1 20120716	ES20110032022 20111215	G05F1/67; F24J2/38; G01S3/786	ABENGOA SOLAR NEW TECH SA [ES]	METODO DE CONTROL APROPIADO PARA UN SISTEMA DE MODULOS FOTOVOLTAICOS DE CONCENTRACION.
ES2385151 A1 20120719	ES20100031929 20101223	F24J2/54; F15B15/06	ABENGOA SOLAR NEW TECH SA [ES]	MECANISMO DE GIRO DE SOPORTES ESTRUCTURALES DE ACCIONAMIENTO OLEOHIDRAULICO.
ES2385246 A1 20120720	US20080145663 20080625	F24J2/36; B64G1/44; H01L31/052	HAMILTON SUNDSTRAND CORP [US]	Sistema de generación para la concentración de la energía solar y concentrador solar plano con posiciones de recogida y despliegue de paneles
ES2385596 A1 20120727	ES20100001642 20101229	H01L31/058; F24J2/04; H01L31/052	UNIV MADRID POLITECNICA [ES]	METODO DE PRODUCCION DE ELECTRICIDAD Y AGUA CALIENTE SANITARIA.
ES2386218 A1 20120813	US20080197169P 20081024; WO2009US61948 20091023; US20090605241 20091023	F24J2/04	BABCOCK & WILCOX POWER GENERAT [US]	UN INTERCAMBIADOR DE CALOR DE RECEPTOR SOLAR MONTADO EN EL TALLER
ES2386465 A1 20120821	JP20070284110 20071031; WO2008JP69725 20081030	F24J2/38; G01S3/786; G02B23/16	MITSUI SHIPBUILDING ENG [JP]	METODO DE CONFIGURACION DE DIRECCION/MEDIDA/REAJUST E DE SENSOR DE SEGUIMIENTO DE LUZ SOLAR Y DISPOSITIVO COLECTOR DE LUZ SOLAR.
ES2386521T T3 20120822	EP20090380111 20090526	F24J2/07; F24J2/50	SENER ING & SIST [ES]	Sistema de ventana de cuarzo para cierre de receptor solar

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ES2387219 A1 20120918	WO2009JP60705 20090611; JP20080168878 20080627	F24J2/38; F24J2/18; G01B11/27; G01S3/786	MITSUI SHIPBUILDING ENG [JP]	METODO Y APARATO PARA CORREGIR UN HELIOSTATO.
ES2387290 A1 20120919	DE200810053247 20081025	H01L31/042; F24J2/38; F24J2/54; G02B7/183	BOSCH GMBH ROBERT [DE]	UNIDAD DE SOPORTE Y PROCEDIMIENTO PARA ORIENTAR UN ELEMENTO PLANO HACIA EL SOL
ES2387710 A1 20120928	WO2009JP04238 20090828; JP20080275263 20081027	F24J2/54; F24J2/16; F24J2/38; G02B7/182	MITSUI SHIPBUILDING ENG [JP]	METODO PARA CONTROLAR UN HELIOSTATO UTILIZADO PARA CONDENSAR LA LUZ SOLAR Y DISPOSITIVO PARA EL MISMO.
ES2388977 A1 20121022	ES20100001278 20101004	F24J2/08; F24J2/24	BARBA TRIGUEROS FRANCISCO [ES]	Dispositivo para el calentamiento de fluidos por energía solar, mediante paneles solares de concentración
ES2389354 A1 20121025	ES20100001547 20101118	F24J2/38	GARCIA ROMERO DARIO [ES]	SISTEMA AUTOMATICO DE CALIBRACION DE HELIOSTATOS DE PLANTA TERMOSOLAR TIPO TORRE.
ES2389414T T3 20121026	EP20050380065 20050407	F24J2/46; E04D3/24; F24J2/04; F24J2/20	GARCIA CORS JOSEP [ES]; GARCIA SANCHEZ JOSE	Elemento modular de cerramiento captador de energía solar, y sistema modular para formar cerramientos captadores de energía solar en edificios
ES2389420 A1 20121026	ES20100001611 20101223	F24J2/46	UNIV MADRID POLITECNICA [ES]	COLECTOR DE ENERGIA SOLAR TERMICA.

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ES2389493T T3 20121026	FR20090055839 20090827	F24H1/00; E04H4/12; F24J2/42; F28D1/02; F28D1/06	COMPARON JEAN-DANIEL [FR]; JYT SARL [FR]	Dispositivo de calentamiento y/o de enfriamiento de un volumen de fluido contenido en un recinto, en particular de un volumen de agua contenido en una piscina, y piscina equipada con dicho dispositivo
ES2389794 A1 20121031	ES20100030401 20100318	F24J2/38; G01S3/786	BOSCH GMBH ROBERT [DE]	SISTEMA Y METODO DE SEGUIMIENTO DE LA RADIACION SOLAR.
ES2389880T T3 20121102	DE200710059650 20071210; WO2008DE02019 20081208	F24J2/04; F24J2/52; H01L31/05; H01L31/058	HABEL THOMAS [DE]	Dispositivo fotovoltaico modular
ES2390553 A1 20121114	ES20100030806 20100527	A01G9/24; F24J2/50	NOVEDADES AGRICOLAS S A [ES]	INVERNADERO FOTOVOLTAICO
ES2390554 A1 20121114	ES20100030655 20100503	F24J2/14; F24J2/54	TERMOPOWER S L [ES]	DISPOSITIVO DE FIJACION DE LOS SOPORTES DEL ESPEJO CILINDRO-PARABOLICO A LA VIGA DE UN COLECTOR SOLAR
ES2390857T T3 20121119	WO2009NL00057 20090309	E04D11/00; E04F15/024; F16L3/00; F24J2/52; H01L31/00	WALRAVEN HOLDING BV J VAN [NL]	Sistema de soporte de tejado
ES2390948T T3 20121120	PT20050103300 20050630; WO2005PT00014 20050914	F24J2/24; F24J2/34; F24J2/44	SILVA SIM & OTILDE ES JOAQUIM POLICARPO [PT]; MACHADO SIM & OTILDE ES NUNO GONCALO; SILVA SIMOES JOAQUIM POLICARPO [PT]; MACHADO SIMOES NUNO GONCALO	Colector solar

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ES2391049 A1 20121121	DE200810049817 20080930	H01L31/052; F24J2/38; H02N6/00	BOSCH GMBH ROBERT [DE]	DISPOSITIVO Y PROCEDIMIENTO PARA LA OPERACION DE UN GENERADOR FOTOVOLTAICO DE CONCENTRACION CON UN SEGUIMIENTO CINEMATICO
ES2391500T T3 20121127	US20080021091P 20080115; US20090144238P 20090113; WO2009IB00055 20090114	F24J2/52	NOLARIS SA [CH]	Isla solar fotovoltaica
ES2392217T T3 20121205	CN20081066571 20080411; CN20081065792 20080307; CN20081066576 20080411; CN20081066751 20080418; CN20081066752 20080418	F24J2/48	TSING HUA UNIVERSITY [CN]; HON HAI PREC IND CO LTD [TW]	Colector solar y sistema de calentamiento solar que lo utiliza
ES2392297 A1 20121207	US20090183042P 20090601	F24J2/34; F28D20/00	PRATT & WHITNEY ROCKETDYNE INC [US]	TANQUE DE ALMACENAMIENTO TERMICO DE BITEMPERATURA UNICA PARA APLICACION EN LA PLANTA TERMICA SOLAR.
ES2393095 A1 20121218	ES20110000185 20110221	F24J2/54; F24J2/10; F24J2/40	CT INVESTIG ENERGETICAS CIEMAT [ES]	CONCENTRADOR SOLAR AUTONOMO CON ALMACENAMIENTO ELECTRICO MEDIANTE CONDENSADOR Y SU METODO DE FUNCIONAMIENTO.

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ES2393453 A1 20121221	WO2011ES70231 20110405	F03G6/04; C02F1/14; F24J2/04	VILLARRUBIA RUIZ JONAS [ES]	TORRE SOLAR GENERADORA DE ELECTRICIDAD Y AGUA POTABLE DE LA HUMEDAD DEL AIRE ATMOSFERICO.
ES2393732 A1 20121227	ES20110000588 20110526	F24J2/54; H01L31/042	GRUPO CLAVIJO ELT S L [ES]	SEGUIDOR SOLAR PARA CAPTADORES DE RADIACIONES SOLARES.
ES2393742 A1 20121227	WO2007ES07019 20071204; WO2008ES70225 20081204; ES20100090038 20081204	F24J2/40	UNIV PONTIFICIA COMILLAS ICAI ICADE [ES]	COLECTOR SOLAR TERMICO.
FI20110199 A 20121214	FI20110000199 20110613		HAUTALAHTI REIJO [FI]	SOLAR POWER PLANT
FR2970069 A1 20120706	FR20100005172 20101230	F24J2/34	C3TECH [FR]	Conversion device for use in conversion installation positioned in e.g. desert to convert heat energy into mechanical energy, has mixing device mixing fluid that is in form of steam, with heat-transfer fluid to obtain dual-phase mixture
FR2970562 A1 20120720	FR20110000128 20110114	F24J2/22; H01L31/058	LEXSUN [FR]	Hybrid solar collector, has heat exchanger with lower plate that is deformed so as to be inserted into channels extending over surface of plate, and upper plate tightly covering channels of lower plate fixed on lower side of panel

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FR2970768 A1 20120727	FR20110050539 20110124	F24J2/34; E06B9/24; F24J2/20; F24J2/46	INSULA FRANCE [FR]	Device for storing heat energy of solar origin for building, has chambers comprising access port provided with closing unit that limits closed enclosure space of load in closed position and closed state of apertures with chamber
FR2970769 A1 20120727	FR20110000207 20110124	F24J2/52	KINDERMANN BODO [FR]; KINDERMANN ALEXANDRA MARIE LOUISE [FR]	Solar collector for mounting on roof, has set of input hydraulic connections for input and output of transmission fluid on rear face of collector, and solar sets assembled in side-by-side manner on four sides of frame
FR2970988 A1 20120803	FR20110050750 20110201	E04D3/36; E04D13/18; F24J2/52; H01L31/042	EN PRO SOLAR [FR]	Roof for building, has section supporting photovoltaic panel, and comprising two legs extending on both sides of longitudinal axis of rib, where two legs rest on connecting plates of cover plate
FR2970989 A1 20120803	FR20110050772 20110201	E04D13/18; F24J2/52; H01L31/042	LM IND [FR]; MARZIN LUDOVIC [FR]; LAPLAGNE JEAN [FR]	Device for supporting parallelepiped photovoltaic panels on e.g. house roof, has sections whose C-sectioned housings receive panels and are extended by U-sectioned grooves introduced under panels, and mastic between sections and panels

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FR2971328 A3 20120810	ES20110000101U 20110203	F24J2/52; A41G1/00; H01L31/042	JIMENEZ ALBARRAN OSCAR [ES]	Solar energy capturing device for converting solar energy into electrical energy, has tree-like structure arranged in concrete pad in pot, where tree has tubular trunk and multiple branches, mounted with solar panels
FR2971329 A1 20120810	FR20110050948 20110207	F24J2/54; F24J2/38	FINANC GERARD ALLOT SOC [FR]	SUPPORT SUIVEUR POUR PANNEAU SOLAIRE
FR2971577 A1 20120817	FR20110051174 20110214	F24J2/52; E04D13/18	SOLUNITE [FR]	Device for fixing photovoltaic solar panel on roof, has fastening unit to secure support element and support unit so as to enclose solar panel between support element and support unit, where fastening unit is connected to overlap zone
FR2971579 A1 20120817	FR20110000443 20110214	F26B3/04; A23L3/16; F24J2/04	BOIS LIONEL [FR]	Device for management of flow of hot air for drying agro-food products e.g. fruits, comprises air inlet placed in solar collector that is intended to heat determined quantity of air moved by ventilator, drying zone, and air exhaust zone
FR2971592 A1 20120817	FR20110051178 20110214	G02B7/198; F24J2/10; G02B5/08	COMMISSARIAT ENERGIE ATOMIQUE [FR]	PROCEDE DE FABRICATION AMELIORE D'UN REFLECTEUR, DE PREFERENCE POUR LE DOMAINE DE L'ENERGIE SOLAIRE

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FR2971835 A3 20120824	FR20110000507 20110218	F24J2/46	DAMICO PIERRE [FR]	Hydraulic installation i.e. solar thermal power unit, for producing electricity from sunlight, has platforms enabling panels rotation and enabling panels to follow path of sun, where platforms compensate variation between summer and winter
FR2971836 A1 20120824	FR20110051334 20110218	F24J2/52	TENESOL [FR]	Structure for assembling photovoltaic panel on roof frame of building, has lateral pair of fixation walls carried by base of rail at distance, along transversal direction, from maintenance part for fixing crosspiece with rail
FR2971838 A1 20120824	FR20110051337 20110218	F24J2/52	TENESOL [FR]	Structure for assembling photovoltaic panel on roof frame of building, has flange fixed on rail and supported on filling device edge opposite to fastening unit, where filling device is installed between rail and another rail
FR2972530 A1 20120914	FR20110051823 20110307	G01J1/04; F24J2/46	AREVA SOLAR INC [US]	Device for measuring solar radiation focused toward linear receiver by e.g. linear type Fresnel reflector, in solar power station, has shield arranged to move away from photodetectors and to permit radiation to hit photodetectors

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FR2973841 A1 20121012	FR20110001045 20110407	F03B1/00; B01D53/24; F03G6/00; F24J2/30	C3TECH [FR]	Conversion device for use in conversion installation positioned in e.g. desert to convert heat energy into mechanical energy, has mixing device mixing fluid that is in form of steam, with heat-transfer fluid to obtain dual-phase mixture
FR2973887 A1 20121012	FR20110001075 20110408	G02B5/08; F24J2/10; G02B7/185	ID COOK [FR]	Outdoor solar mirror for focusing or directing sunlight to water pipe to obtain hot water in thermal power plant, has flexible film for reflecting sunlight, where spring and flat dielectric plate between rollers guide portion of film
FR2973985 A1 20121019	FR20110001118 20110412	A01G25/09; F24J2/38; H01L31/052	NERGY B [FR]	DISPOSITIF D'ARROSAGE PIVOTANT HELIOTROPE COMPORTANT UNE SURFACE PHOTOVOLTAÏQUE
FR2974164 A1 20121019	FR20110053237 20110414	F24J2/52	NOELLE ENVIRONNEMENT [FR]; BOUCHEREAU YVES [FR]	Solar or thermal installation for attaching to inclined support structure e.g. roof structure of building, has clamping units juxtaposed to profiles for supporting and clamping solar panels juxtaposed in direction of slope
FR2974375 A1 20121026	FR20110053414 20110420	E04D13/18; F24J2/04; F24J2/24	TERREAL [FR]	SYSTEME DE RECUPERATION DES APPORTS SOLAIRES SUR UNE TOITURE TRADITIONNELLE EN PENTE

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FR2974378 A1 20121026	FR20110053487 20110421	E04H1/02; E04B1/76; E04D3/06; E04D13/16; E06B9/00; F24J2/34; F24J2/50	HELIO OIKOS [FR]	MAISON BIOCLIMATIQUE
FR2974829 A1 20121109	FR20110053846 20110505	E04D13/18; E04D5/02; E04D5/08; F24J2/52; H01L31/042	EVASOL [FR]	Fixing device for producing cover based photovoltaic panels in roof of building, has linear profile elements positioned on bituminous membrane, where elements cooperate with self-tapping screws to ensure fixing of photovoltaic panels
FR2974874 A1 20121109	FR20110053798 20110504	F16J15/14; F16J15/44; F24J2/46	COFAM ENERGY [FR]	Seal for insertion between solar panels e.g. thermal solar panels, has harpoons arranged on sides of central wall and taking form of arrow head pointing in direction of application, and roof extending on sides of core
FR2974887 A1 20121109	FR20110053799 20110504	F24J2/52; E04D13/18	COFAM ENERGY [FR]	Flashing kit for solar panel e.g. photovoltaic solar panel, on roof of building, has fold provided on outer lateral edge, where fold is oriented relative to base and has angle of specific degrees relative to base
FR2974889 A1 20121109	FR20110001360 20110503	F25B27/00; F24J2/00	BEN CHEIKH MONCEF [FR]	Device for air conditioning, cooling and freezing space of premises, has solar collector formed by thermal circuits, where increase in number of thermal circuits introduced into solar collector causes increase in pressure

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FR2975174 A1 20121116	FR20110053988 20110510	F24J2/52; E04D1/00; E04D13/18; H01L31/042	3I PLUS [FR]	Plastic molded frame for use in tile fixed on support of building to receive photovoltaic panel, has groove opened toward peripheral center of frame such that part of circumference of panel is formed between wings, where groove holds panel
FR2975475 A1 20121123	FR20110054340 20110518; FR20120053508 20120417	F24J2/52	OSERIS OUEST SOLAIRE EN RENOUVELABLE [FR]	ENSEMBLE DE SUPPORT DE PANNEAU PHOTOVOLTAIQUE COMPRENANT UN CADRE ETANCHE AVEC DES COTES PROFILES, ET CENTRALE CORRESPONDANTE.
FR2975759 A1 20121130	FR20110001626 20110526	F24J2/05; F24J2/51	SYSTOVI [FR]	Airflow type solar thermal collector for use in energy production installation in low-energy house, has absorbing wall extending remotely under upper wall to delimit fixed insulating air space and circulation volume in which air is heated
FR2976053 A1 20121207	FR20110054775 20110531	F24J2/05; C03C27/02	SAINT GOBAIN [FR]	Vacuum solar collector, useful for providing thermal energy to refrigeration unit to make air conditioner, comprises chamber delimited by tempered glass sheet comprising first main wall and second main wall that is connected to first wall

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FR2976055 A1 20121207	FR20110054725 20110530	F24J2/24	SAINT GOBAIN [FR]	Flat solar heat collector for use in solar energy recovery system mounted on e.g. roof of building, has pipe formed with circular section, where external diameter of circular section is specified, and coolant is circulated in pipe
FR2976056 A1 20121207	FR20110062002 20111220	F24J2/38; F24J2/54	PRESTIGE SOLAIRE [FR]	Orientable tracker support system i.e. solar tracker, for tracking sun and supporting e.g. high concentration photovoltaic solar panels, has armature mounted rotatably on other armature along horizontal rotation axis
FR2976057 A1 20121207	FR20110001659 20110530	F24J2/54	PRESTIGE SOLAIRE [FR]	Orientable tracker support system i.e. solar tracker, for tracking sun and supporting e.g. high concentration photovoltaic solar panels, has armature mounted rotatably on other armature along horizontal rotation axis
FR2976631 A1 20121221	FR20110055240 20110615	F03G6/02; F02G1/06; F24J2/40; H02P9/04	SCHNEIDER ELECTRIC IND SAS [FR]	Method for generating electricity using solar power plant, involves controlling Stirling engine to operate at selected operating point so that engine responds to predetermined change in required electric power over time less than threshold
FR2976655 A1 20121221	FR20110055378 20110620	F24J2/05; H01L31/058	STRABONI ALAIN [FR]	MODULE SOLAIRE HYBRIDE PHOTOVOLTAIQUE/THERMIQUE

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FR2977006 A1 20121228	FR20110055486 20110622	F24F3/044; F24F7/08; F24F12/00; F24J2/04	VENTILAIRSEC [FR]	Ventilation installation for ventilation and heating of enclosure, of building using renewable energy, has collector interposed between fresh air inlet and case air inlet so as to allow heating of air flowing from fresh air inlet into case
FR2977008 A1 20121228	FR20110055484 20110622	F24J2/05; F24J2/24; F24J2/46	SAINT GOBAIN [FR]	Vacuum solar collector for absorbing solar heat from radiation to heat water in domestic applications, has solar radiation absorber designed as sheet and kept in contact with pipes, where gas traps are arranged between pipes and main wall
FR2977009 A1 20121228	FR20110001973 20110627	F24J2/52; E04D13/18	SVH EN [FR]	PLAQUE DE SUPPORT, D'INTEGRATION ET DE FIXATION DE PANNEAUX PHOTOVOLTAIQUES
FR2977010 A1 20121228	FR20110001971 20110627	F24J2/54; F24J2/08; F24J2/16; H01L31/052	SUNPARTNER SAS [FR]	CONCENTRATEUR SOLAIRE COMPRENANT UN HELIOSTAT ET UNE LENTILLE DE FRESNEL
GB2487719 A 20120808	GB20110001239 20110125	B08B3/02; F24J2/46; H01L31/042; H01L31/052	GALILI GIORA [IL]	A cooling and wash apparatus for solar panels
GB2488113 A 20120822	GB20110002570 20110214	F24J2/10; H01L31/052	HORN GEOFFREY DAVID [GB]	Apparatus for increasing the output power of solar cells
GB2488140 A 20120822	GB20110002754 20110217	G02B5/10; F24J2/10	SIMPACT ENGINEERING LTD [GB]	Reflector
GB2488388 A 20120829	TW20110106436 20110225	G01S3/78; F24J2/38; F24J2/52; H01L31/042	GIXIA GROUP CO [TW]	Assisted positioning of a receiver device

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GB2488949 A 20120912	GB20070010237 20070530	F24J2/46; F24J2/05; F24J2/32	KINGSPAN HOLDINGS IRL LTD [IE]	Solar collector comprising a heat pipe and an end fitting
GB2489219 A 20120926	GB20110004489 20110317	F24J2/18; H01L31/052	LOCKLEY PETER ERNEST [GB]	Solar concentrator with orthogonal elements
GB2489324 A 20120926	GB20110004722 20110321	H01L31/058; F24J2/46; H01L31/052	NAKED ENERGY LTD [GB]	Hybrid solar energy converter
GB2489554 A 20121003	US20080127298P 20080512	H01L31/052; C03B23/025; C03B23/035; F24J2/08; F24J2/10; F24J2/12; F24J2/38; F24J2/54	UNIV ARIZONA STATE [US]	Solar tracking apparatus with array of dish-shaped reflectors and ball lenses for concentrating sunlight onto photovoltaic generators
GB2490335 A 20121031	GB20110006930 20110426	H01L31/04; B01D5/00; F24J2/38; F28B1/00; F28B3/00	SIEMENS PLC [GB]	Composite solar panel and condenser
GB2491568 A 20121212	GB20110009051 20110531	F24D17/00; F24D19/00; F24J2/46	ATKINSON EDMUND [GB]	Solar water heating system having a drain back
GR1007636 B 20120705	GR20110100352 20110614	F24J2/54; H01L31/042	MOKAS ATHANASIOS IOANNI [GR]; MOKAS EVANGELOS ATHANASIOU [GR]	METAL ARC-ASSISTED MECHANISM ADJUSTING THE INCINATION OF THE ROTARY BASE OF PHOTOVOLTAIC ELEMENTS
GR1007718 B 20121017	GR20110100235 20110413	F24J2/52	ALUMINCO A E ANONYMOS ETAIREIA ALOUMINIΟΥ KAI SYNAFON METALLON [GR]	SYSTEM FOR THE SUPPORT OF PHOTOVOLTAIC ELEMENTS ONTO INDUSTRIAL ROOFS OF TRAPEZOIDAL IRON PLATE
GR1007739 B 20121025	GR20110100410 20110715	F24J2/52	TRIODOS A E [GR]	METAL SUPPORT BASE FOR PHOTOVOLTAIC PANELS

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GR1007761 B 20121109	GR20110100472 20110802	H01L31/052; F24J2/04; F24J2/52	ZISOPOULOS DIMITRIOS ATHANASIOY [GR]	ON VESSEL PHOTOVOLTAIC PANEL WITH WATER COOLING AND CLEANING, WINDMILL, ELECTRIC STORAGE AND RETRIEVAL
GR20100100710 A 20120713	GR20100100710 20101210	F24H1/00; F24J2/00	MARSELLOS NIKOLAOS THEODOROU [GR]	SOLAR GEYSER PREHEATING THE WATER IN RADIATOR HEATING SYSTEMS
GR20100100718 A 20120713	GR20100100718 20101214	G05D3/10; F24J2/38; F24J2/40	CHRISTOPOULOS IOANNIS ILIA [GR]	ROTARY SOLAR COLLECTOR
GR20110100066 A 20120920	GR20110100066 20110210	F24J2/54; F24J2/16	SIAXABANIS NIKOLAOS SERAFEIM [GR]	MOVING TWO-AXLE SUN TRACKER SET ONTO A STATIONARY CARRIER - DRIVE SYSTEM OF SAME
GR20110100106 A 20120915	GR20110100106 20110223	F24J2/38; F24J2/54	VAMVAKAS GEORGIOS EFSTATHIOU [GR]	2-AXIS GTR SOLAR TRACKER
GR20110100192 A 20120915	GR20110100192 20110324	F24J2/52; E04D1/30; E04D13/18	ALUMINCO A E ANONYMOS ETAIREIA ALOUMINIΟΥ KAI SYNAFON METALLON [GR]	SYSTEM FOR SUPPORTING PHOTOVOLTAIC ELEMENTS ONTO ALUMINIUM-PROFILED TILED ROOFS
GR20110100203 A 20120915	GR20110100203 20110330	F24J2/34; F24D17/00; F24H1/18; F28D20/00	KIOPELIS IORDANIS EMMANOUIL [GR]	PERIPHERAL COLD WATER DIFFUSER FOR SOLAR GEYSERS
GR20110100206 A 20120915	GR20110100206 20110331	F24J2/52; E04C3/04	TZORTZIS KATA POSOSTO 65 DIMITRIOS NEOPTOLEMOU [GR]; TZORTZIS KATA POSOSTO 35 ANTONIOS NEOPTOLEMOU [GR]	BEAM MADE OF ADEQUATELY- CONFIGURATED LAMELLA
GR20110100244 A 20121122	GR20110100244 20110419	F24J2/52	RAMA ANONYMI VIOMICHANIKI EBORIKI EISAGOGIKI ETAIREIA METALLIKON KATASKEVON [GR]	SYSTEM FOR SUPPORTING ITEMS

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HRP20110142 A2 20120831	HRP20110142 20110225	E06B9/01; E06B7/02; F24J2/22	RADOVAN TULUM [HR]	SOLAR GRILLES
HRP20110235 A2 20121031	HRP20110235 20110401	F24J2/06	MRVELJ MATO [HR]	STEAM GENERATOR WITH HELIOSTAT IN WATER DESALINATION SYSTEM
HRP20120425 A2 20121130	SK20110050063U 20110519	F24J2/52; F24J2/54	ETOP TRADING A S [SK]	SUPPORTING STRUCTURE FOR SOLAR AND PHOTOVOLTAIC PANELS
HU1000641 A2 20120828	HU20100000641 20101130	F24J2/24; F24J2/46	MOLNAR PAL [HU]	HEAT EXCHANGER PANEL AND ITS PRODUCTION METHOD
HU1100511 A2 20121228	HU20110000511 20110624	F24J2/00; F24J2/05	BASZUN JERZY [PL]; SOHAJDA ISTVAN [HU]	SOLAR COLLECTOR
ITBO20110337 A1 20121211	IT2011BO00337 20110610		BIG ROCK TECHNOLOGIES LTD	METODO PER LA CONVERSIONE DI ENERGIA E SISTEMA DI CLIMATIZZAZIONE
ITPD20110218 A1 20121229	IT2011PD00218 20110628		IMECO SRL; MOLLIFICIO CAPPELLER S R L	DISPOSITIVO PER IL FISSAGGIO DI PANNELLI SOLARI FOTOVOLTAICI O TERMICI AD UNA COPERTURA IN LAMIERA GRECATA
ITPD20110221 A1 20121231	IT2011PD00221 20110630		CHIORLIN ALESSANDRO	SISTEMA DI COPERTURA, IN PARTICOLARE PER SERRE CON IMPIANTO FOTOVOLTAICO INTEGRATO, PER LA PRODUZIONE DI ENERGIA ELETTRICA
ITRM20110234 A1 20121111	IT2011RM00234 20110510		MAGALDI IND SRL	RICEVITORE/SCAMBIATORE E METODO DI CONNESSIONE AD ALTO LIVELLO DI EFFICIENZA ENERGETICA.

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ITRM20110308 A1 20121216	IT2011RM00308 20110615		GIA E LO SVILUPPO ECONOMICO SOSTENIBILE ENEA	ASSORBITORE SOLARE SELETTIVO A BASE DI MATERIALI CERMET DEL TIPO DOPPIO NITRURO, E RELATIVO PROCEDIMENTO DI FABBRICAZIONE
ITTO20110553 A1 20121224	IT2011TO00553 20110623		BRANCALEONI PAOLA; COSTA RICCARDO; PICCIONE GABRIELLA [IT]; ZAMBON MARTA [IT]	DISPOSITIVO ASSORBITORE SOLARE E PANNELLO SOLARE INCORPORANTE DETTO DISPOSITIVO
ITTO20110554 A1 20121224	IT2011TO00554 20110623		BRANCALEONI PAOLA; COSTA RICCARDO; PICCIONE GABRIELLA [IT]; ZAMBON MARTA [IT]	PANNELLO SOLARE IBRIDO
ITVI20110120 A1 20121111	IT2011VI00120 20110510		PR EN AL S R L	APPARATO FOTOVOLTAICO MODULARE
JP2012125211 A 20120705	JP20100281044 20101216	A01G9/24; A01G9/20; F24J2/42	NAT FEDERATION AGRIC COOP ASS	WATER TANK FOR GARDENING GREENHOUSE CULTIVATION, AND METHOD FOR RAISING PLANT USING THE SAME
JP2012127536 A 20120705	JP20100277088 20101213	F24J2/38; F24J2/14; F24J2/40	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD	SOLAR HEAT COLLECTOR
JP2012127537 A 20120705	JP20100277089 20101213	F24J2/12	HITACHI PLANT TECHNOLOGIES LTD [JP]; HITACHI PLANT MECHANICS CO LTD	SOLAR COLLECTOR
JP2012127566 A 20120705	JP20100279148 20101215	F25B27/00; F24J2/42	HITACHI PLANT TECHNOLOGIES LTD [JP]	COOLING SYSTEM
JP2012127574 A 20120705	JP20100279434 20101215	F24H7/02; F22B37/26; F24H1/00; F24J2/42	HITACHI PLANT TECHNOLOGIES LTD [JP]	SOLAR HEAT UTILIZATION SYSTEM AND ITS CONTROL METHOD

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JP2012127575 A 20120705	JP20100279435 20101215	F24J2/38; H01L31/042	HITACHI PLANT TECHNOLOGIES LTD [JP]	SOLAR HEAT COLLECTION DEVICE AND METHOD OF AUTOMATICALLY FOLLOWING SUN FOR SOLAR HEAT COLLECTION DEVICE
JP2012127576 A 20120705	JP20100279436 20101215	F24J2/38; F24J2/14	HITACHI PLANT TECHNOLOGIES LTD [JP]	SOLAR COLLECTOR AND COOPERATIVE SOLAR COLLECTOR SYSTEM
JP2012127577 A 20120705	JP20100279437 20101215	F24J2/38; F24H1/00; F24J2/14; F24J2/42	HITACHI PLANT TECHNOLOGIES LTD [JP]	SOLAR HEAT COLLECTION DEVICE AND METHOD OF ADJUSTING HEAT COLLECTION AMOUNT FOR THE SAME
JP2012127607 A 20120705	JP20100281435 20101217	F24J2/38; F24J2/10	HITACHI PLANT TECHNOLOGIES LTD [JP]	SOLAR HEAT COLLECTOR AND SOLAR COLLECTING METHOD
JP2012132677 A 20120712	JP20120073961 20120328	F24J2/42; F03G6/00	KAWASAKI HEAVY IND LTD	SOLAR THERMAL POWER GENERATION EQUIPMENT, HEAT MEDIUM SUPPLY EQUIPMENT, AND TEMPERATURE FLUCTUATION CONTROL DEVICE
JP2012137579 A 20120719	JP20100289202 20101227	G02B5/08; B32B15/16; F24J2/10	KONICA MINOLTA ADVANCED LAYERS [JP]	FILM MIRROR, METHOD FOR MANUFACTURING THE SAME, AND SUNLIGHT REFLECTION MIRROR
JP2012145288 A 20120802	JP20110004862 20110113	F24J2/24	NAKAUCHI SHUNSAKU	SOLAR HEAT COLLECTOR
JP2012145319 A 20120802	JP20100286254 20101222; JP20110161735 20110725	F24J2/04; B01D61/36; C02F1/14; C02F1/44; F24J2/24	SUMITOMO ELECTRIC INDUSTRIES	SOLAR WATER HEATER AND WATER GENERATION SYSTEM
JP2012149783 A 20120809	JP20110006747 20110117	F24J2/42; F24D5/04; F24D5/08; F24J2/04	MISAWA HOMES CO	SOLAR LIGHT HEAT COLLECTING SYSTEM

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JP2012153036 A 20120816	JP20110014757 20110127	B32B15/08; B32B7/02; B32B27/00; F24J2/10; G02B1/10	KONICA MINOLTA ADVANCED LAYERS [JP]	FILM MIRROR, AND REFLECTOR FOR SOLAR THERMAL POWER GENERATION
JP2012156040 A 20120816	JP20110014947 20110127	H01M8/04; F24H1/00; F24J2/00; H01L31/042; H01M8/00	PANASONIC CORP	HYBRID POWER GENERATING SYSTEM
JP2012159281 A 20120823	JP20110033890 20110201	F24J2/50; F24J2/46	SORAL KK	HEAT COLLECTION/ACCUMULATION INTEGRATED SOLAR WATER HEATER FORMED WITH HEAT- INSULATING PERMEABLE LAYER
JP2012163253 A 20120830	JP20110023887 20110207	F24H1/00; F24J2/42	MITSUBISHI ELECTRIC CORP	SOLAR HEAT UTILIZATION WATER HEATER
JP2012163286 A 20120830	JP20110025185 20110208	F24J2/10; G02B3/08; G02B5/10; G02B7/182	SUMITOMO HEAVY INDUSTRIES	SOLAR HEAT COLLECTOR
JP2012167226 A 20120906	JP20110030863 20110216	C09D127/12; C09D7/12; F24J2/10	ASAHI GLASS CO LTD [JP]	COATING COMPOSITION FOR COATING SURFACE OF REFLECTING PLATE FOR COLLECTING SOLAR HEAT, AND METHOD FOR MANUFACTURING REFLECTING PLATE FOR COLLECTING SOLAR HEAT
JP2012167872 A 20120906	JP20110029366 20110215	F24J2/34	PANASONIC CORP	SOLAR ENERGY UTILIZATION DEVICE
JP2012167919 A 20120906	JP20110042999 20110210	F24J2/42; A01G31/00; A01K63/06; F25B9/00	LAVANT KK	ENVIRONMENT-CONSCIOUS THERMOACOUSTIC CONSTANT-TEMPERATURE BATH

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JP2012167921 A 20120906	TW20110104786 20110214	F24J2/06; H01L31/042	NEO OPTIC TEK CO LTD	LIGHT COLLECTING DEVICE AND LIGHT COLLECTING METHOD OF THE SAME
JP2012172950 A 20120910	JP20110038236 20110224	F24J2/00; H01L31/042	JX NIPPON OIL & ENERGY CORP	SNOW MELTING DEVICE FOR SOLAR PANEL
JP2012173379 A 20120910	JP20110032945 20110218	G02B5/08; F24J2/10	KONICA MINOLTA ADVANCED LAYERS [JP]	FILM MIRROR AND REFLECTOR FOR SOLAR THERMAL POWER GENERATION
JP2012177532 A 20120913	JP20110057186 20110225	F24J2/10	OKAMOTO MITSUO	REFLECTING MIRROR FOR COOLING GLOBAL ENVIRONMENT
JP2012177541 A 20120913	JP20120128180 20120605	F24J2/00; H01L31/042	UMETSU KENJI	SOLAR LIGHT COGENERATION SYSTEM
JP2012184908 A 20120927	JP20110050044 20110308	F24J2/42	CHOFU SEISAKUSHO CO LTD	WATERFALL TYPE SOLAR HOT WATER HEATING DEVICE
JP2012186870 A 20120927	JP20110046125 20110303	H02N11/00; F24J2/00; F24J2/44; H01L31/04	YAMAHASHI SHIGETAKA; YAMAHASHI MASAKO	COMPLEX POWER GENERATION DEVICE UTILIZING SUNLIGHT
KR101161540B B1 20120702	KR20110137393 20111219	F24J2/24	SEHAN SOLAR ENERGY CO LTD [KR]	DOUBLE VACUUM TUBE TYPE SOLAR HEAT COLLECTOR
KR101162723B B1 20120705	KR20110042198 20110504	F24J2/38; F24J2/10	I JONG HAE [KR]	SOALR HEAT COLLECTING SYSTEM USING FLAT REFRACTIVE LENS
KR101162747B B1 20120705	KR20120009895 20120131	F25B27/00; F24J2/06; H01L31/058	KOREA TECHNOLOGY ENG CO LTD [KR]	FIELD-INSTALLED PHOTOVOLTAIC-THERMAL HEATPUMP HEATING AND COOLING EXPERIMENT APPARATUS FOR EDUCATION
KR101162988B B1 20120709	KR20120046945 20120503	F24J2/04; F24J2/10; F24J2/24	AHN IK RO [KR]	A SOLAR HEAT COLLECTOR AND A SOLAR HEAT COLLECTING SYSTEM COMPRISING THE SAME

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KR101164222B B1 20120711	KR20120009894 20120131	F24J2/02; F24J2/40	KOREA TECHNOLOGY ENG CO LTD [KR]	FIELD-INSTALLED SOLAR HEAT EXPERIMENT APPARATUS FOR EDUCATION
KR101164796B B1 20120711	KR20110060939 20110623	F24J2/38; F24J2/54	KIM HONG GEUN [KR]	POLE TYPE SOLAR TRACKER
KR101167687B B1 20120725	KR20110019966 20110307	H01L31/042; F24J2/52	ILGWANG SOLAR ENERGY CO LTD [KR]	SOLAR PHOTOVOLTAIC POWER GENERATION EQUIPMENT WITH THE SOLAR PHOTOVOLTAIC POWER GENERATION MODULE SUPPORT BODY
KR101168538B B1 20120727	KR20110016051 20110223	F24J2/04; F24D3/00; F24D19/10; F24J2/40	KYUNG DONG NAVIEN CO LTD [KR]	APARTMENT HOUSE SOLAR THERMAL ENERGY HOT WATER SYSTEM EQUIPPED COMMUNAL HEAT STORAGE TANK AND CONTROL METHOD THEREOF
KR101168539B B1 20120727	KR20110016055 20110223	F24J2/04; F24D3/00; F24D19/10; F24J2/40	KYUNG DONG NAVIEN CO LTD [KR]	METHOD FOR SUPPLYING HEAT AND PREVENTING OVER HEAT IN THE APARTMENT HOUSE SOLAR THERMAL ENERGY HOT WATER SYSTEM EQUIPPED COMMUNAL HEAT STORAGE TANK
KR101168542B B1 20120727	KR20110016058 20110223	F24J2/04; F24D3/00; F24D19/10; F24J2/40	KYUNG DONG NAVIEN CO LTD [KR]	SOLAR THERMAL ENERGY HOT WATER SYSTEM EQUIPPED HEAT STORAGE TANK IN APARTMENT AND CONTROL METHOD THEREOF

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KR101168551B B1 20120727	KR20110016060 20110223	F24J2/04; F24D3/00; F24D19/10; F24J2/40	KYUNG DONG NAVIEN CO LTD [KR]	METHOD FOR SUPPLYING HEAT AND PREVENTING OVER HEAT IN THE SOLAR THERMAL ENERGY HOT WATER SYSTEM EQUIPPED HEAT STORAGE TANK IN APARTMENT
KR101170991B B1 20120808	KR20110069135 20110712	H01L31/042; F24J2/52	ILGWANG SOLAR ENERGY CO LTD [KR]	solar power generation module supporting apparatus
KR101171637B B1 20120806	KR20110020952 20110309	F24J2/04; F24J2/06; F24J2/46	PARK GI GUN [KR]	APPARATUS OF BOILING WATER USING SOLAR ENERGY
KR101172285B B1 20120808	KR20110089401 20110905	H01L31/042; F24J2/52	KEE SEUNG CHEOL [KR]	Solar power generating apparatus
KR101173928B B1 20120816	KR20120020356 20120228	H01L31/042; F24J2/52	TOPTEC CO LTD [KR]	A FIXING APPARATUS FOR SOLAR MODULE
KR101176165B B1 20120822	KR20120019493 20120227	F24J2/52; E04C2/52; E04D13/18	T ONE CO LTD [KR]	SYSTEM FOR PREVENTING WATER LEAKAGE OF ELASTICITY MATERIALS
KR101176993B B1 20120827	KR20110034730 20110414	H01L31/042; F24J2/52	JANG MIN WOO [KR]	APPARATUS FOR SUPPORTING SOLAR MODULE
KR101177378B B1 20120827	KR20110146510 20111229	F24J2/04; F24D15/02; F24J2/34	LEE HI GON [KR]	HEATING SYSTEM USING SOLAR HEAT
KR101177546B B1 20120827	KR20110033733 20110412	F24J2/38; G01M13/00	BJ POWER CO LTD [KR]	TESTER FOR CONFIRMATION OF TRACKER ERROR
KR101180728B B1 20120907	KR20120028531 20120321	F24J2/04; F24J2/06; F24J2/24	APACK INC [KR]	SOLAR COLLECTOR MODULE
KR101181242B B1 20120910	KR20110020850 20110309	F24J2/46; F24J2/20	KANGNAM CO LTD [KR]	SOLAR COLLECTOR
KR101181614B B1 20120910	KR20110024117 20110318	H01L31/042; F24J2/38	PARK CHAN HEE [KR]	HUMAN TYPE TWO AXIS CONTROL EQUIPMENT FOR SUN TRACKING

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KR101184425B B1 20120920	KR20120044164 20120426	F24J2/38; F24J2/54; H01L31/042	LEE SUNG JU [KR]	THE SOLAR TRACKING SYSTEMS FOR SOLAR PHOTOVOLTAIC SYSTEM
KR101186349B B1 20120926	KR20120009102 20120130	H01L31/042; F24J2/52; H02N6/00	CITY ENVIRONMENT ENGINEERING CO LTD [KR]	THE PHOTOVOLTAIC POWER GENERATION FACILITIES
KR101189607B B1 20121010	KR20110028011 20110329	H01L31/042; F24J2/52	EBISU INDUSTRY CO LTD [KR]	EASY SOLAR MODULE MOUNTING CLAMP AND BOLT SET
KR101190695B B1 20121012	KR20110105649 20111017	H01L31/042; F24J2/52	GTC CORP CO LTD [KR]	AN ASSEMBLING SOLAR PHOTOVOLTAIC POWER GENERATOR
KR101191004B B1 20121016	KR20110130199 20111207	F24J2/12; F24J2/40	KIM DOO MAN [KR]	PARABORIC REFLECTION SYSTEM
KR101192165B B1 20121018	KR20120019798 20120227	F24J2/38; F24J2/54	SI CORP [KR]	SOLAR TRACKING APPARATUS
KR101192686B B1 20121019	KR20120053974 20120522	H01L31/042; F24J2/52	IM JANG SEOP [KR]; SSOLA BIL CO LTD [KR]	ANGLE CONTROL DEVICE OF SOLAR PANEL
KR101193382B B1 20121023	KR20120020352 20120228	H01L31/042; F24J2/52	TOPTEC CO LTD [KR]	A PROFILE FOR MOUNTING OF SOLAR MODULE
KR101198529B B1 20121106	KR20120061397 20120608	H01L31/042; F24J2/52		attachment apparatus for photovoltaic module
KR101198702B B1 20121112	KR20120020353 20120228	H01L31/042; F24J2/52		AN APPARATUS FOR FIXING SOLAR MODULE
KR101200043B B1 20121112	KR20110062465 20110627	F24J2/06; F24J2/08; H01L31/052		APPARATUS FOR CONDENSING SUNLIGHT AND PANEL FOR CONDENSING SUNLIGHT HAVING THE SAME
KR101202059B B1 20121115	KR20110086852 20110830	H01L31/042; F24J2/52		Single Axis Changable Solar Generation Apparatus
KR101202382B B1 20121116	KR20120081324 20120725	F24J2/38; F24J2/10		APPARATUS FOR CONDENSING SUNLIGHT
KR101203042B B1 20121121	KR20110120137 20111117	F24J2/24; F24J2/06		Double Vacuum Tube Type Solar Collector

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KR101204269B B1 20121127	KR20110081007 20110816	F24J2/46; F24J2/20		A solar energy collector
KR101204696B B1 20121126	KR20120107547 20120927	H01L31/042; F24J2/52		A FIXING APPARATUS FOR SOLAR LIGHT ELECTRIC CELL PLATE
KR101205495B B1 20121127	KR20120041726 20120420	F24J2/38; F24J2/54; H01L31/042		The solar tracking systems for solar photovoltaic system
KR101207270B B1 20121203	KR20120101422 20120913	H01L31/042; F24J2/38	EOM BOON DO [KR]	SOLAR TRACKER FOR PHOTOVOLTAIC POWER GENERATION
KR101209092B B1 20121210	KR20110053904 20110603	A01G9/24; F24D3/00; F24J2/02; F24J3/08	HSM ENJOY WATER CO LTD [KR]	HEATING EQUIPMENT OF A VINYL-HOTHOUSE
KR101209648B B1 20121207	KR20110085733 20110826	H01L31/042; F24J2/52	RAON TECH CO LTD [KR]	PHOTOVOLTAIC POWER GENERATION APPARATUS
KR101211269B B1 20121211	KR20120023480 20120307	F24J2/46	SEHAN SOLAR ENERGY CO LTD [KR]	SHADING CURTAIN FOR SOLAR HEAT COLLECTOR
KR101216444B B1 20121228	KR20120094042 20120828	H01L31/042; F24J2/54	IM JANG SEOP [KR]; SSOLA BIL CO LTD [KR]	APPARATUS FOR ANGLE CONTROLLING OF SOLAR MODULE PANEL
KR101216480B B1 20121231	KR20110072194 20110721	E04D13/18; F24J2/52; H01L31/042	IRECON CO LTD [KR]	ROOF TYPE SOLAR CELL MODULE SUPPORTING FOR WATERPROOFING STRUCTURE
KR200461616Y Y1 20120730	KR20110005389U 20110616	H01L31/042; F24J2/52		Spacer for stacking photovoltaic module
KR200462808Y Y1 20121009	KR20120006258U 20120716	H01L31/042; F24J2/54; H01L31/052		Apparatus for Control of Rotating Angle of Solar Collector
KR200463257Y Y1 20121025	KR20100004101U 20100420	F24J2/04; F24J2/40		HOT-WATER SUPPLY SYSTEM USING SOLAR HEAT
KR20120004802U U 20120703	KR20100013339U 20101223	H01L31/042; F16M11/00; F24J2/52		Support frame for sola cell module

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KR20120006807U U 20121005	KR20110002470U 20110323	F24J2/10; F24J2/38; F24J2/54		The Structure of solar thermal concentrator
KR20120007029U U 20121012	KR20110002778U 20110404	H01L31/042; F24J2/38; H02J7/35		The solar storehouse module structure which is established in the building
KR20120007152U U 20121017	KR20110002970U 20110408	F24J2/52; H01L31/042		a structure for supporting of solar module
KR20120007153U U 20121017	KR20110002971U 20110408	H01L31/042; F24J2/52		A structure for assembling of solar module
KR20120008135U U 20121128	KR20110004331U 20110519	F24J2/48; F24J3/06		solar heat parasol
KR20120071383 A 20120702	CA20092673703 20090723	F24J2/02; A47J27/00; A47J36/24; F24J2/05	W & E INTERNAT CANADA CORP [CA]; LIN HUAZI [CA]	SOLAR COOKING APPLIANCES
KR20120071384 A 20120702	CA20092673702 20090723	F24J2/02; A47J37/00; F24J2/05	W & E INTERNAT CANADA CORP [CA]; LIN HUAZI [CA]	SOLAR COOKING RANGE AND APPLIANCES
KR20120073189 A 20120704	KR20120055973 20120525	F24J2/54; H01L31/042	SUNG IL CO LTD SIM [KR]	ROTATABLE SOLAR CELL INSTALLING DEVICE
KR20120073970 A 20120705	KR20100135905 20101227	F24J2/04; B23K26/20	RES INST IND SCIENCE & TECH [KR]	PANEL OF SOLAR COLLECTOR AND APPARATUS FOR MANUFACTURING THE SAME
KR20120075073 A 20120706	KR20100137101 20101228	F24J2/04; F24J2/34	KOREA ENERGY RESEARCH INST [KR]	COMPACT TYPE RENEWABLE THERMAL ENERGY SUPPLING SYSTEM AND ITS CONTROL
KR20120075074 A 20120706	KR20100137102 20101228	F24J2/46	KOREA ENERGY RESEARCH INST [KR]	SOLAR COLLECTOR WITH OVERHEATING PREVENTION DEVICE
KR20120075674 A 20120709	KR20100137429 20101229	F24J2/50; F24J2/46	KOREA ENERGY RESEARCH INST [KR]	FIXING DEVICE FOR SOLAR THERMAL COLLECTOR COVER
KR20120076776 A 20120710	KR20100138478 20101230	F24J2/46; F24J2/24; F24J2/30	KANG SEONG WON [KR]	SOLAR COLLECTION DEVICE

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KR20120076803 A 20120710	KR20100138521 20101230	F24J2/24; F24J2/46	GRAND SOLAR CO LTD [KR]	SOLAR HEAT COLLECTING UNIT FOR COLLECTOR
KR20120076812 A 20120710	KR20100138533 20101230	F24D3/00; F24D19/10; F24H9/20; F24J2/02	GRAND SOLAR CO LTD [KR]	SOLAR ENERGY BOILER SYSTEM
KR20120079426 A 20120712	KR20110001293 20110104	F24J2/51; F24J2/46	MIN SUNG GI [KR]	OMITTED
KR20120080048 A 20120716	KR20110001486 20110106	F24J2/38; F24J2/16; H01L31/042	VINA TECHNOLOY CO LTD [KR]	MIRROR STRUCTURE FOR CONCENTRATED SOLAR POWER GENERATION USING SUPER CAPACITOR
KR20120080671 A 20120718	KR20110002017 20110108	B60H1/00; B60H1/22; F24F5/00; F24J2/42	HWANG SEUNG MIN [KR]	AUTOMATIC TEMPERATURE ADJUSTING CONTROLLER USING SOLAR ENERGY
KR20120080850 A 20120718	KR20110002298 20110110	F24J2/38; F24J2/54	MIRTECH CO [KR]	DEVICE FOR USING SOLAR ENERGY HAVING SOLAR TRACKING WAY OF ROLLING MOVEMENT AND METHOD THEREOF
KR20120082240 A 20120723	KR20110003620 20110113	F24J2/46; F24J2/10	AHN IK RO [KR]	A INFLATABLE SOLAR HEAT COLLECTOR
KR20120083425 A 20120725	US20090243769P 20090918; US20090243763P 20090918; US20100356882P 20100621	F03G7/00; F24J2/04; F24J2/30; F24J2/38	MASSACHUSETTS INST TECHNOLOGY [US]	CONCENTRATED SOLAR POWER SYSTEM
KR20120083600 A 20120726	KR20110004796 20110118	A01K1/00; F03D9/00; F24D3/00; F24J2/02	WANG TZENG CHYUAN [TW]	ENVIRONMENT-FRIENDLY STABLE
KR20120084169 A 20120727	KR20110005559 20110119	F03G6/00; F01K7/00; F24J2/08	TOPRUNMOLDTECH CO LTD [KR]	SOLAR POWER GENERATION SYSTEM
KR20120084280 A 20120727	KR20120074246 20120709	H01L31/042; F24J2/54	KIM YOUNG CHAN [KR]	SOLAR PANEL TILTING MECHANISM

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KR20120084955 A 20120731	KR20110006297 20110121	F24D11/02; F24D17/02; F24J2/02; H01L31/042	AIRPORT FACILITY SERVICE CO LTD [KR]	HYBRID HEATING AND COOLING SYSTEM WITH HOT WATER SUPPLY
KR20120086228 A 20120802	KR20110007563 20110125	H01L31/18; F24J2/38; H01L31/042	CEMWARE CO LTD [KR]	A SYSTEM FOR SIMULATION OF SOLAR MOTION USING LATITUDE, LONGITUDE AND TIME INFORMATION
KR20120086386 A 20120803	KR20110007572 20110126	H01L31/042; F24J2/38	KIM SEUNG SEOP [KR]	APPARATUS OF INCLINATION CONTROL FOR SOLAR-DRIVEN GENERATOR
KR20120086944 A 20120806	KR20110008311 20110127	F24D17/00; F24D15/04; F24D19/10; F24J2/02	LEE NU RI [KR]; KSPIP CO LTD [KR]; LEE SEUNG JUNE [KR]	COLD AND HOT WATER SUPPLYING SYSTEM
KR20120087436 A 20120807	KR20110008620 20110128	B60H1/32; B60H1/00; F24J2/00; F25B21/02	NAT UNIV CHONBUK IND COOP FOUN [KR]	COOLING SYSTEM OF HYBRID VEHICLE FOR USING SOLAR ENERGE
KR20120087643 A 20120807	KR20110008973 20110128	H01L31/042; F24J2/04	LEE TAEK GU [KR]	VACUUM PHOTOVOLTAIC POWER GENERATING APPARTUS
KR20120087864 A 20120807	KR20120033756 20120402	E01H10/00; F24J2/02	SON SE JUNG [KR]	THE STRUCTURE OF THE HIGHWAY FOR THE SAFETY CAPSULE
KR20120088133 A 20120808	KR20110009266 20110131	F03D9/00; F03G6/06; F24J2/02	PARK JOON KOOG [KR]	VERTICAL SOLAR AND WIND POWER GENERATION APPARATUS
KR20120088245 A 20120808	KR20110009473 20110131	E06B9/24; E06B9/386; F24J2/38	ETASOLA CO LTD [KR]	SOLAR TRACKING LOUVER SYSTEM AND CONTROL METHOD THEREOF
KR20120089015 A 20120809	KR20110010084 20110201	F24J2/30; F24J2/46	BUGWANG ENG [KR]	CONCENTRATING SOLAR COLLECTOR UNIT AND METHOD OF MANUFACTURING THE SAME

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KR20120089562 A 20120813	WO2011JP51976 20110201	F24J2/04; F24J2/42	AZUMA SOLAR CO LTD [JP]	SOLAR WATER HEATING SYSTEM FOR SIMULTANEOUS RECOVERY OF DRINKING WATER AND HOT WATER
KR20120090487 A 20120817	KR20110010945 20110208	E01F8/00; F24J2/38; H01L31/042	DAROM CO LTD [KR]	THE SOUNDPROOF WALL WITH SOLAR CELL GENERATING APPARATUS
KR20120090682 A 20120817	KR20110011234 20110208	F21S11/00; F24J2/06	LEE DONG HEE [KR]	METHOD FOR MANUFACTURING IT AND APPARATUS FOR CONCENTRATING SOLAR LIGHT
KR20120090712 A 20120817	KR20110011282 20110208	F24J2/04; E04D13/18; F24J2/46	KIM SEONG YEUL [KR]	AIR HEATING METHOD WHICH USED MODULARIZED SOLAR COLLECTOR DEVICE
KR20120090882 A 20120817	KR20120069993 20120628	F24J2/42; F24J2/04; H01L31/042	KIM DAI SIK [KR]	ENVIRONMENT-FRIENDLY BOILER USING SOLAR POWER GENERATOR
KR20120090885 A 20120817	KR20120070751 20120628	A62B5/00; F24J2/00; H01L31/042	NAM HEE CHUL [KR]	SOLAR POWER GENERATOR AND EMERGENCY ESCAPING DEVICE IN ONE
KR20120091535 A 20120820	KR20110011347 20110209	H01L31/052; F24J2/04	LG ELECTRONICS INC [KR]	PHOTOVOLTAIC THERMAL COMBINED MODULE
KR20120091956 A 20120820	KR20110012086 20110210	F24J2/46; F24J2/24	OH TAE YEON [KR]	CONCENTRATING SOLAR HEATING PIPE AND STEAM TURBINE BOILER
KR20120092395 A 20120821	KR20110012425 20110211	F24J2/02; F24D3/00; F24D19/10	KIM GIL HO [KR]	BOILER SYSTEM USING SOLAR HEAT
KR20120093254 A 20120822	AT20090001565 20091005	F24J2/50; E06B3/677; H01L31/048	INOVA LISEC TECHNOLOGIEZENTRUM [AT]	VACUUM ELEMENT AND METHOD FOR PRODUCING THE SAME

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KR20120093669 A 20120823	KR20110013370 20110215	H01L31/042; F21S11/00; F24J2/04	NAT UNIV KONGJU IND ACAD COOP [KR]; SEWON CO LTD [KR]	APPARATUS FOR USING PHOTOVOLTAIC POWER GENERATION AND HEAT ENERGY
KR20120094298 A 20120824	KR20110013711 20110216	H01L31/042; F24J2/04	LG ELECTRONICS INC [KR]	PHOTOVOLTAIC THERMAL COMBINED APPARATUS
KR20120097777 A 20120905	KR20110017199 20110225	F24J2/38; H01L31/042	MIRTECH CO [KR]	SOLAR TRACKING DEVICE
KR20120098076 A 20120905	KR20110017777 20110228	F24J2/04; E06B7/00	JEHIN CO LTD [KR]	WINDOW-INTEGRATED SOLAR HEAT COLLECTOR MODULE
KR20120098589 A 20120905	US20090594935 20091006; US20090255004P 20091026; US20090270122P 20090702; US20100351586P 20100604	H01L31/042; F24J2/52	ZEP SOLAR INC [US]	PIVOT-FIT FRAME, AND METHOD FOR PHOTOVOLTAIC MODULES
KR20120100349 A 20120912	KR20110019186 20110302	F24J2/24; F24J2/46	KIM CHEOL SOO [KR]	EXTENDABLE SOLAR THERMAL COLLECTOR
KR20120102426 A 20120918	KR20110020579 20110308	H01L31/042; F24J2/52; H02N6/00	ILGWANG SOLAR ENERGY CO LTD [KR]	SOLAR PHOTOVOLTAIC POWER GENERATION DEVICE SUPPORTTING STRUCTURE WITH DETACHABLE BRACKET
KR20120102942 A 20120919	KR20110020855 20110309	F24J2/04; F25B15/00	KANGNAM CO LTD [KR]	A SOLAR HEAT SAVING SYSTEM
KR20120103002 A 20120919	KR20110020975 20110309	F24J2/04; F24H1/00; F25B15/00	SAMJUNG TECH CO LTD [KR]	HYBRID ABSORPTION TYPE AIR CONDITIONING SYSTEM USING SOLAR HEAT
KR20120105799 A 20120926	KR20110023448 20110316	F24J2/46; F24J2/06; F24J2/20; F24J2/38	KIM BONG KYU [KR]; SUNG KI YOUNG [KR]	HEAT FLUID HEATING APPARATUS USING SUN POWER

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KR20120107402 A 20121002	KR20110025078 20110321	F24J2/46; F24J2/06	SOLAUS CO LTD [KR]	ANTI-OVERHEATING APPARATUS OF SOLAR COLLECTOR MODULE
KR20120108068 A 20121005	KR20110025591 20110323	F24J2/02; F24D3/00; F24D11/00; F24D15/04	SUN GREEN CO LTD [KR]	WARM WATER PIPING SYSTEM FROM THE RESIDENTIAL AIR CONDITIONING SYSTEM WHICH USES A REMAKING ENERGY
KR20120108465 A 20121005	KR20110026357 20110324	F24J2/02; F24D3/00; F24D11/00; F24D15/04	SUN GREEN CO LTD [KR]	USING RENEWABLE ENERGY HOMES, AND LARGE AIR-CONDITIONING SYSTEM, HOT WATER PIPING SYSTEM IN
KR20120108618 A 20121005	KR20110026717 20110325	F24J2/04; F24J2/08; F24J2/46	YOON PIL [KR]	A THERMO COLLECTOR OF THE SUN RAYS' HEAT
KR20120109821 A 20121009	KR20110027454 20110328	A47J41/00; F24J2/02	CHOI HONG DUCK [KR]	SOLAR HEAT - HOT WATER BOTTLE
KR20120110640 A 20121010	KR20110028636 20110330	H01L31/052; F24J2/38; H02N6/00	JANG SOO HO [KR]	SOLAR POWER GENERATION EQUIPMENT WHICH TRACKS PATH OF SUN
KR20120110668 A 20121010	KR20110028680 20110330	E04D13/18; F24J2/52; H01L31/042	EMAX CO LTD [KR]	ADAPTOR MODULE FOR INSTALLING PHOTOVOLTAIC POWER GENERATION
KR20120110696 A 20121010	KR20110028728 20110330	F21S9/03; F21V23/00; F24J2/38	FC IND CO LTD [KR]	PVLED LIGHTING APPARATUS HAVING SOLA TRACKER
KR20120110697 A 20121010	KR20110028729 20110330	E06B9/24; F24J2/38; H01L31/042	FC IND CO LTD [KR]	VERTICAL BLINDE DRIVING BY PVLED(PHOTOVOLTAIC LIGHT EMITTING DIODE)
KR20120110991 A 20121010	KR20110029211 20110331	F24J2/04; F24J2/08	YOON PIL [KR]	APPARATUS OF THE SUN RAYS' ENERGY
KR20120111035 A 20121010	KR20110029283 20110331	F24J2/40; F24J2/04	KIM KWA HAN [KR]	CONTROL SYSTEM ON OVERHEATING OF SOLAR BOILER

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KR20120111202 A 20121010	KR20110029570 20110331	H01L31/042; F24J2/52	LG ELECTRONICS INC [KR]	SOLAR TILE
KR20120112492 A 20121011	FR20100050017 20100104	F24J2/38; F24J2/54	COMMISSARIAT ENERGIE ATOMIQUE [FR]	METHOD FOR THE AUTOMATIC ORIENTATION OF A SOLAR PANEL DEVICE AND DEVICE OPERATING ACCORDING TO SAID METHOD
KR20120113080 A 20121012	KR20110030796 20110404	F24J2/04; F24J2/10; F24J2/24	BYUN HAE WON [KR]; KIM SANG JOON [US]	A SOLAR HEAT COLLECT DEVICE
KR20120113331 A 20121015	KR20110030987 20110405	G05B19/02; F24J2/38; H01L31/042	LEE HYON JA [KR]	BUILDING CONTROL SYSTEM FOR MANAGING SOLAR CELL
KR20120113479 A 20121015	KR20110031209 20110405	F24J2/42; F24J2/00	SEO SUN OK [KR]	SOLAR HEAT ENERGY SYSTEM USING THE AIR CURRENT AND THE HEAT CONDUCTION
KR20120113602 A 20121015	KR20110031386 20110405	A62C2/24; A62C37/00; F24J2/06	PRO TECH CO LTD [KR]	FIRE FIGHTING APPARATUS HAVING INDEPENDENT POWER GENERATION MODULE
KR20120113629 A 20121015	KR20110031426 20110405	F24J2/10; F24J2/24	SUNDAKOREA CO LTD [KR]	CONDENSER FOR SOLAR HEAT ABSORBER OF VACUUM TUBE TYPE FOR CONCENTRATING SUNLIGHT HAVING COATING TYPE REFLECTOR
KR20120113631 A 20121015	KR20110031429 20110405	F24J2/04; F24J2/14; F24J2/24	SUNDAKOREA CO LTD [KR]	CONDENSER FOR SOLAR HEAT ABSORBER OF VACUUM TUBE TYPE FOR CONCENTRATING SUNLIGHT HAVING CURVATURE TYPE REFLECTOR

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KR20120113632 A 20121015	KR20110031430 20110405	F24J2/10; F24J2/24	SUNDAKOREA CO LTD [KR]	CONDENSER FOR SOLAR HEAT ABSORBER OF VACUUM TUBE TYPE FOR CONCENTRATING SUNLIGHT HAVING UNEVEN TYPE REFLECTOR
KR20120114454 A 20121017	KR20110031946 20110407	F24J2/00; F24J2/42; H01L31/042	CHOI KWANG SIK [KR]	AN ELECTRIC POWER GENERATION SYSTEM ON THE WATER THAT HAS THERMOPOWER MODULE AND PERIPHERAL APPARATUS THAT USES THE WATER FLOW FOR HEATSINK TO MAXIMIZE THE EFFICIENCY
KR20120114525 A 20121017	KR20110032082 20110407	F24J2/46; F24J2/24	YOON PIL [KR]	A THERMO COLLECTOR OF THE SUN RAYS' HEAT
KR20120116216 A 20121022	KR20110033821 20110412	H04B1/38; F24J2/38; H01L31/042; H02J7/35	LG ELECTRONICS INC [KR]	MOBILE TERMINAL AND CONTROL METHOD THEROF
KR20120116217 A 20121022	KR20110033822 20110412	H01L31/042; F21S9/03; F24J2/38	KWANDONG UNIVERSITY INDUSTRY FOUNDATION [KR]	TRACK STYLE SUNLIGHT PRODUCTION OF ELECTRIC POWER SYSTEM AND EMOTIONAL TYPE STREET LIGHTING SYSTEM USING THE SAME
KR20120116382 A 20121022	KR20120112033 20121009	E01F15/00; E01F15/02; F24J2/38	KIM HAG KEE [KR]	A FENCE INCLUDING A SOLAR CELL
KR20120117111 A 20121024	KR20110034660 20110414	H01L31/042; F24J2/52	JANG MIN WOO [KR]	APPARATUS FOR SUPPORTING SOLAR MODULE

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KR20120117579 A 20121024	KR20110035399 20110415	F24J2/40; G01W1/02	EO ELECTRIC [KR]; JEONG BYEONG HO [KR]; HAESEONG EMC CO LTD [KR]	DETECT METHOD OF SOLAR RADIATION AND WIND SPEED INFORMATION FOR WIND TURBINE AND SOLAR POWER SYSTEM
KR20120118116 A 20121026	KR20110035501 20110418	F24J2/34; F24J2/04; F24J2/46; F25B17/00	HALLA ENCOM CORP [KR]; GRAND SOLAR CO LTD [KR]	PUMP STATION FOR RECOVERY OF ADSORBENT FOR COOLING SYSTEM UTILIZING SUN FEVER
KR20120118318 A 20121026	KR20110035809 20110418	F24J2/04; F24J2/26; F24J2/46	PARK JUNG SIK [KR]	SOLAR COLLECTORS FOR SOLAR COOLING OF HIGH TEMPERATURE ZONE
KR20120119036 A 20121030	KR20110036759 20110420	H01L31/042; F24J2/52	PARK CHAE JUNG [KR]	SOLAR CELL PLATE STRUCTURES FOR CEILING SPACE
KR20120120014 A 20121101	KR20120037691 20120412	F24J2/08; G02B3/02		concentrating lens for solar heat generator
KR20120121451 A 20121106	KR20110039277 20110427	F24J2/04; F24J2/06; F24J2/24; F24J2/38		HIGH EFFICIENCY SUN LIGHT BOILER
KR20120121486 A 20121106	KR20110039328 20110427	F24D15/00; F24D3/00; F24D19/10; F24J2/02		Solar Energy Heating System Integrated Control Device and Control Method using thereof
KR20120121487 A 20121106	KR20110039329 20110427	F24J2/04; F24J2/30		Variable Flow Rate Solar Energy Collector Control System and Control Method using thereof
KR20120121567 A 20121106	KR20110039431 20110427	F24J2/04; F24J2/51		double jacket type solar water heater
KR20120123090 A 20121107	WO2011US21281 20110114; US20100295488P 20100115; US20100389593P 20101004	F24J2/10; F24J2/38; H01L31/052		ARRAY MODULE OF PARABOLIC SOLAR ENERGY RECEIVERS

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KR20120123944 A 20121112	KR20110041593 20110502	F24J2/06; H01L31/042		Multi-purpose solar concentrating device
KR20120124300 A 20121113	KR20110042123 20110503	F24J2/24; F24J2/46; F24J2/48		VACUUM TYPE SOLLAR-COLL0ECTING TUBES AND APPARATUS THEREOF
KR20120124639 A 20121114	KR20110042415 20110504	H01L31/042; F24J2/52		A sloar power generator reducing wind pressure at solar cell
KR20120125715 A 20121119	KR20110043322 20110509	F24J2/38; G01J1/28		Solar tracking control device with solar cell
KR20120126804 A 20121121	KR20110044868 20110513	F24J2/38; F24J2/54		Solar Tracking Driver using Electrical Cylinder
KR20120127875 A 20121126	KR20110045632 20110516	F24J2/38; F24J2/54; G01J1/28		Sunray reflection apparatus using sun tracking sensor
KR20120128965 A 20121128	KR20110046938 20110518	G09B23/22; F24J2/38; F24J2/40; H01L31/042		Device for training education solar tracking using 2-Axis tracker
KR20120129153 A 20121128	KR20110047248 20110519	F24J2/04; F24J2/06		Heat fluid heating apparatus using sun power
KR20120130441 A 20121203	KR20110048364 20110523	F24J2/05; F24J2/08		AUXILIARY HEATING APPARATUS BY SOLAR HEAT
KR20120130812 A 20121204	KR20110048801 20110524	F24J2/24; F24J2/46		A solar heat collecting apparatus
KR20120130813 A 20121204	KR20110048802 20110524	F24J2/24; F24J2/32; F24J2/46		SOLAR RECEIVER
KR20120130814 A 20121204	KR20110048803 20110524	F24J2/46; F24J2/24		CENTRALIZATION THERMAL APPARATUS SUN THERMAL UTILIZE
KR20120131647 A 20121205	KR20110049965 20110526	F24J2/40; G01K17/00; G01K19/00; G01M99/00		Method and apparatus for training solar collectors performance
KR20120131937 A 20121205	KR20110050442 20110527	F24J2/04; F24J2/26; F24J2/46		Heater of solar

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KR20120132724 A 20121210	KR20110051023 20110530	H01L31/042; F24J2/52		Supporting apparatus enable solar cell module to round
KR20120132916 A 20121210	KR20110051315 20110530	F24J2/34; F24D15/02; F28D20/00		HEAT STORAGE TANK
KR20120133202 A 20121210	KR20110051750 20110531	F24J2/04; F24J2/26; F24J2/46		Heater of solar
KR20120133278 A 20121210	KR20110051870 20110531	F24J2/04; F24J2/10; F24J2/20; F24J2/24		a hotwater supply device of the solar energy
KR20120133747 A 20121211	KR20110052566 20110601	F24J2/04; F24J2/08		HOT-WATER BOILER USING SOLAR
KR20120134624 A 20121212	KR20110053671 20110603	F21S9/03; F24J2/38; H01L31/042	PARU CO LTD [KR]	SUN LOCATION TRACKING TYPE FOR ROAD LAMP
KR20120136463 A 20121220	KR20110055408 20110609	F24J2/08; F24J2/38	I JONG HAE [KR]	PUT SUNLIGHT DETECTOR TO COLLECT IT INTO HEAT COLLECTION SYSTEM BY USING FOCUS OF MANY FLAT REFLECTION LENS
KR20120136684 A 20121220	KR20110055764 20110609	F24J2/04; F24D15/00; F24J2/46	NAT UNIV CHONBUK IND COOP FOUN [KR]	SOLAR HEATER
KR20120136737 A 20121220	KR20110055861 20110610	H01L31/042; B08B1/04; F24J2/52	THREEROAD CO LTD [KR]; PARK SU JIN [KR]; KUNHWA CO LTD [KR]	A CLEANING DEVICE FOR SOLAR POWER GENERATER
KR20120137189 A 20121220	KR20110056948 20110610	H01L31/052; F03D9/00; F24J2/46	MIN SUNG GI [KR]	OMITTED
KR20120137733 A 20121224	KR20110056753 20110613	F24J2/04; F24D15/02; F24J2/34	CHOI NAK YUNG [KR]	WARM AIR CIRCULATION APPARATUS SAVING SOLAR ENERGY
KR20120138158 A 20121224	KR20110057502 20110614	F24J2/24; F24J2/04; F24J2/46	JUNG HAE CHANG [KR]; JOO MYUNG JEI [KR]	HEATING MEDIUM AUTOMATIC CIRCULATION TYPE SOLAR COLLECTOR

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KR20120139168 A 20121227	KR20110058815 20110617	B60H1/00; B60H1/12; B60H1/22; F24J2/00	HALLA CLIMATE CONTROL CORP [KR]	AIR CONDITIONING SYSTEM FOR VEHICLE WITH SOLAR CELL MODULE AND METHOD FOR CONTROLLING THE SAME
KR20120139297 A 20121227	KR20110059028 20110617	F24J2/38; F24J2/54	SAMKWANG IND ELECTRIC CO LTD [KR]	SOLAR ENERGY TRACKER
KR20120140011 A 20121228	KR20110059598 20110620	H01L31/042; B63B38/00; F24J2/52; H01L31/052	SEAH E & T CO LTD [KR]	BUOY TYPE OF SOLAR CELL MODULE
KR20120140287 A 20121231	KR20110059919 20110621	F24J2/38; H01L31/042	SYSMANIA [KR]	SUN TRACKING SYSTEM THAT SOLAR CELL IS STICKED ON POLE
LT5917 B 20130325	LT20110000046 20110516	F24J2/00	USEVICIUS KESTUTIS [LT]	CALORIFIC MACHINE
MA33413 B1 20120703	AT20090000896 20090610; WO2010EP58114 20100609	F24J2/46	HADLAUER MARTIN [AT]; ABU GHAZALEH INTELLECTUAL PROP	SYSTÈME DE NETTOYAGE POUR CAPTEURS EN COMBINAISON AVEC UNE POSITION DE PROTECTION SPÉCIALE
MA33432 B1 20120703	ES20090001460 20090619; WO2010ES00269 20100618	F03G6/06; E04H5/12; F24J2/07; F28C1/00	ABENGOA SOLAR NEW TECH SA [ES]; CABINET PATENTMARK	TOUR POUR INSTALLATION DE CONCENTRATION SOLAIRE AVEC RÉFRIGÉRATION À TIRAGE NATUREL
MA33461 B1 20120703	AU20090903028 20090630; WO2010AU00835 20100630	F24J2/00; F22B1/00; F24J2/12; F24J2/14; F24J2/42; F28D20/00	WIZARD POWER PTY LTD [AU]; ABU GHAZALEH INTELLECTUAL PROP	RECYCLAGE DE FLUIDE DE TRANSFERT DE CHALEUR À L'ÉTAT DE VAPEUR SEULE POUR ACCUMULATION THERMIQUE D'ÉNERGIE SOLAIRE

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MA33493 B1 20120801	ES20090001410 20090612; ES20100030829 20100531; WO2010ES70394 20100614	F24J2/46; B08B1/04	ABENGOA SOLAR NEW TECNOLOGIES S A [ES]	VÉHICULE ET PROCÉDÉ POUR NETTOYER DES COLLECTEURS SOLAIRES CYLINDRO-PARABOLIQUES
MA33535 B1 20120801	US20090228480P 20090724; WO2010US43118 20100723	F24J2/52	ABENGOA SOLAR INC [US]	MODULE DE CAPTEUR SOLAIRE
MA33543 B1 20120901	MA20100033414 20101210	F24J2/00; F24J2/10; F24J2/48	UNIV CADI AYYAD [MA]	CUISEUR SOLAIRE
MA33715 B1 20121101	MA20110033763 20110411	F24J2/12; F03G6/06; F24J2/14	CHAMA HOUSSAM EDDINE [MA]	LE PARABOLE SOLAIRE
MA33785 B1 20121203	MA20110033545 20110121	F03G6/00; F03H99/00; F24J2/00	JOSE ANTONIO BARBERO FERRANDIZ [ES]	TURBINE SOLAIRE A REACTION
MX2011001325 A 20120830	MX20110001325 20110203		GUADARRAMA GENARO DE JESUS JIMENEZ [MX]	SOLAR WATER HEATER FOR POOLS AND THE LIKE.
MX2011001398 A 20120730	MX20110001398 20110128	F24J2/02	SALINAS SAUL TAPIA [MX]	SOLAR-ELECTRIC FOOD COOKER.
MX2011005009 A 20121127	MX20110005009 20110511		TOC TECHNOLOGY OUTSOURCING CT SA DE CV [MX]	FRESNEL SOLAR DISTILLATION SYSTEM.
MX2011005412 A 20121127	MX20110005412 20110520	F24J2/46	CT INVESTIG Y ESTUDIOS DEL IPN [MX]	SUPPORTING AND TRACKING BASE FOR A SOLAR CONCENTRATOR.
MX2011012981 A 20120727	IN2009MU01545 20090701; WO2010IN00419 20100618	F24J2/02; F24J2/38	PATWARDHAN RAVINDRA [IN]	A SOLAR CENTRAL RECEIVER SYSTEM EMPLOYING COMMON POSITIONING MECHANISM FOR HELIOSTATS.

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MX2012006172 A 20120907	ES20090002268 20091201; WO2010ES00485 20101130	F24J2/10	ABENGOA SOLAR NEW TECH SA [ES]	METHOD FOR DISTRIBUTING HELIOSTATS IN TOWER PLANT.
MX2012006296 A 20120823	AT20090001901 20091201; WO2010EP68447 20101129	F24C9/00; F24J2/32	HADLAUER MARTIN [AT]	HEATING APPLIANCE FOR COOKING PURPOSES IMPLEMENTING THE INTRODUCTION OF SOLAR THERMAL ENERGY.
MX2012007502 A 20120807	US20090291799P 20091231; WO2010EP70975 20101231	F16C33/04; F24J2/54	SAINT GOBAIN PERFORMANCE PLAST [DE]	RENEWABLE ENERGY SOURCE INCLUDING AN ENERGY CONVERSION STRUCTURE AND A BEARING COMPONENT.
MX2012007577 A 20120723	ES20090002422 20091230; WO2010ES00529 20101229	F24J2/10	ABENGOA SOLAR NEW TECH SA [ES]	PARAMETRIC CYLINDRICAL SOLAR COLLECTOR HAVING AN OPTIMISED SECONDARY RECONCENTRATOR AND METHOD FOR DESIGNING SAME.
MX2012008289 A 20120831	US20100282307P 20100119; WO2011US00099 20110119	F24J2/10; G02B5/08	GUARDIAN INDUSTRIES [US]	COATED ARTICLES WITH HEAT TREATABLE COATING FOR CONCENTRATED SOLAR POWER APPLICATIONS, AND/OR METHODS OF MAKING THE SAME.
MX2012008597 A 20120815	DE201010006532 20100201; WO2011EP51147 20110127	F24J2/52; F24J2/14; F24J2/54	SOLARLITE GMBH [DE]	SEGMENT OF A SOLAR COLLECTOR AND SOLAR COLLECTOR.
MX2012009654 A 20121130	ES20100000230 20100225; WO2011ES00047 20110224	G01N21/25; F24J2/14; G01J3/02	ABENGOA SOLAR NEW TECH SA [ES]	PORTABLE SPECTROPHOTOMETER AND METHOD FOR CHARACTERISING SOLAR COLLECTOR TUBES.

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MX2012009871 A 20120912	JP20100042404 20100226; WO2011JP54188 20110224	C09D127/12; A47G1/00; C09D7/12; F24J2/10; G02B5/08	ASAHI GLASS CO LTD [JP]	COATING COMPOSITION FOR SOLAR HEAT-COLLECTING REFLECTOR, AND SOLAR HEAT-COLLECTING REFLECTOR AND METHOD FOR PRODUCING SAME.
MX2012011272 A 20121106	FR20100001327 20100331; WO2011EP54965 20110330	A61K8/97; A61K8/96; A61Q19/00; A61Q19/08; E05D1/02; F24J2/52	FABRE PIERRE DERMO COSMETIQUE [FR]	PREPARATION CREATED FROM AN IN VITRO CULTURE OF DEDIFFERENTIATED, NON-ELICITED CELLS OF THE ARGANIA TREE, USE THEREOF FOR TREATING SKIN AGEING, INFLAMMATION AND SCARRING, AND PRODUCTION THEREOF.
MX2012012260 A 20121123	AU20100901704 20100422; WO2011AU00460 20110421	F24J2/38; F24J2/46	POWELL TREVOR [AU]	A SOLAR ENERGY COLLECTOR SYSTEM.
MX2012012402 A 20121129	EP20100161922 20100504; WO2011EP56946 20110502	F28D20/00; F24D11/00; F24H7/00; F24J2/34	BASF SE [DE]	DEVICE AND METHOD FOR STORING HEAT.
NL1038582C C 20120820	NL20111038582 20110215	F24J2/52	V & V HOLDING B V; BELL	INRICHTING EN WERKWIJZE VOOR HET BEVESTIGEN VAN ZONNEPANELEN OF GELIJKWAARDIG.
NL1038790C C 20121030	NL20111038790 20110429	F24J2/52	WIERIKS PETER JOOST; JANSEN MARCO WILLEM	PROFILE CONNECTING MEMBERS FOR SOLAR PANEL MOUNTING SYSTEMS.
NL2006403C C 20120918	NL20112006403 20110316	F24J2/04	HEERING KUNSTSTOF PROFIELEN B V [NL]	PANEEL VOOR OPNEMEN VAN ZONNEWARMTE.

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NL2006880C C 20121205	NL20112006880 20110601	F24J2/52	VALK SYSTEMEN B V V D	STEUNCONSTRUCTIE VOOR ZONNEPANELEN, ALSMEDE OPSTELLING MET EEN DERGELIJKE STEUNCONSTRUCTIE VOORZIEN VAN ZONNEPANELEN.
NL2006882C C 20121204	NL20112006882 20110601	F24J2/52	VALK SYSTEMEN B V V D	KLEM ALSMEDE BIJBEHOREND PROFIEL.
NL2006883C C 20121204	NL20112006883 20110601	A01G9/24; F24J2/52	VALK SYSTEMEN B V V D	KAS MET REEKSEN ZONNEPANELEN.
NL2006964C C 20121218	NL20112006964 20110617	F24J2/52; H01L31/042; H01L31/048	JOHNSOL B V [NL]	INRICHTING VOOR HET BEVESTIGEN VAN ZONNEPANELEN.
NL2007901C C 20120719	NL20112007901 20111130; NL20112006020 20110118	A01G9/24; F24J2/00; H01L31/00	BODE PROJECT EN INGENIEURSBUREAU B V [NL]	BOUWWERK, IN HET BIJZONDER TUINBOUWKAS MET EEN SYSTEEM VOOR HET ABSORBEREN VAN ZONLICHT.
NL2008114 A 20120716	NL20112006001 20110113; NL20122008114 20120113	E04D13/12; E04D13/18; E04G21/32; F24J2/52	SCHUURMAN BEHEER B V [NL]	SYSTEEM VOOR VALBEVEILIGING EN SOLAR PANELEN OP PLATTE DAKEN.
NZ586586 A 20120928	WO2009AU01432 20091103; AU20080906352 20081209	F24D17/00; F24H1/10	DUX MFG LTD	A WATER HEATING SYSTEM WITH AN INSTANTANEOUS HEATER AND A WATER TANK WHERE MAINS WATER IS DIRECTED TO THE WATER HEATER OR THE STORAGE TANK DEPENDING ON THE TEMPERATURE OF THE WATER
PE12622012 A1 20121007	US20090416536 20090401	F24J2/14	ABENGOA SOLAR INC [US]	TORQUE TRANSFER BETWEEN TROUGH COLLECTOR MODULES

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PE17842012Z Z 20121219	PE20110205020U 20111205	F24J2/00	RUEGG BAUMANN HANS [PE]	HORNO SOLAR DE ILUMINACION UNIVERSAL
PL393364 A1 20120702	PL20100393364 20101220	F24J2/24; F24J2/05; F24J2/54	PRZEDSIĘBIORSTWO PROD USŁUGOWE PRO EKO TERM SPÓŁKA Z OGRANICZONA ODPOWIEDZ [PL]	Flat solar collector
PL393464 A1 20120702	PL20100393464 20101229	F24D19/10; F24J2/40	UNIV RZESZOWSKI [PL]	Method for controlling temperature regime for solar water heating installation
PL393663 A1 20120730	PL20110393663 20110117	F24J2/54; F24J2/40	NEDZYNSKI ZBIGNIEW [PL]	Solar collector
PL393664 A1 20120730	PL20110393664 20110117	F24J2/54; F16H25/20; H02K7/06	NEDZYNSKI ZBIGNIEW [PL]	Linear actuator
PL393784 A1 20120813	PL20110393784 20110131	F24J2/05; F24J2/20; F24J2/24; F24J2/28	SUSZCZYNSKI PIOTR [PL]; WICHLAJ MARIUSZ [PL]	Solar energy collector
PL393946 A1 20120827	PL20110393946 20110216	F24J2/38; F24J2/40; G01J1/20	INST TELE I RADIOTECH [PL]	Method and system to keep up with the sun, particularly for a positioning system of a photovoltaic cell unit
PL394404 A1 20121008	PL20110394404 20110331	F24J2/26	PLANETA KRZYSZTOF STANISLAW [PL]	Vertical, liquid solar collector
PL394405 A1 20121008	PL20110394405 20110331	F24D11/00; F24D12/02; F24J2/46	PLANETA KRZYSZTOF STANISLAW [PL]	Buffer multi-chamber solar tank
PL394411 A1 20121008	PL20110394411 20110331	F24J2/42; F24D17/00	KOLACKI EDWARD [PL]	Method and system for direct heating of domestic hot water by solar energy
PL394578 A1 20121022	PL20110394578 20110415	F24J2/05; F24J2/24; F24J2/50	DOROS TEODORA D A GLASS [PL]	Solar collector
PL395164 A1 20121217	PL20110395164 20110607	F24J2/38; G05D3/00	WAJSS PAWEL [PL]	Sun movement follow up device
PL395305 A1 20121217	PL20110395305 20110616	F24J2/10; H01L31/052;	OLEJNIK HENRYK JOZEF [PL]	Solar collector integrated with photovoltaic modules

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		H01L31/058		
PL397784 A1 20120827	PL20120397784 20120112	F24J2/38; F24J2/40; G01C21/00	KAMINSKI DAWID [PL]	Method for automatic sun tracking and a device for automatic sun tracking, especially for photovoltaic cells
PL66017Y Y1 20120731	PL20100118994U 20100429	F24J2/05; F24J2/26; F24J2/52	POLITECHNIKA KRAKOWSKA [PL]	Vacuum solar collector
PL66018Y Y1 20120731	PL20100118998U 20100504	F24J2/05; F24J2/26; F24J2/52	POLITECHNIKA KRAKOWSKA [PL]	Solar heat collector with vacuum shield
PT105453 A 20121026	PT20100105453 20101221	F24J2/54	ABRANTES ARNALDO FERNANDO DA SILVA [PT]	SEGUIDOR SOLAR BI-AXIAL LINEAR
PT105511 A 20120801	PT20110105511 20110201	F24J2/52; H01L31/042	MARTIFER SOLAR S A [PT]	PEÇA PLÁSTICA PARA SISTEMA DE INTEGRAÇÃO DE MÓDULO FOTOVOLTAICO
PT105614 A 20121004	PT20110105614 20110404	F24J2/24; F24J2/04; F24J2/54	WAYDIP EN E AMBIENTE LDA [PT]	SISTEMA DE OPTIMIZAÃO DO RENDIMENTO, LIMPEZA E PROTECÃO DE PAIN?IS SOLARES T?RMICOS
PT1998120E E 20121205	DE200710025209 20070530	F24J2/46; F16D3/00; F16L27/08	MOSMATIC AG [CH]; SENIOR FLEXONICS GMBH [DE]	SOLAR POWER PLANT WITH ROTATION DEVICE
PT2005074E E 20120927	NL20061031544 20060407	F24J2/06	SUNCYCLE B V [NL]	DEVICE FOR CONVERTING SOLAR ENERGY
PT2029946E E 20120803	DE200720007976U 20070607; DE200620009871U 20060615	F24J2/52	HATICON GMBH [DE]	MOUNTING SYSTEM, IN PARTICULAR FOR SOLAR MODULES
PT2238392E E 20120716	DE200810007334 20080202	F24J2/52; F24J2/04	SCHOTT SOLAR AG [DE]; WURSTER WALTER GMBH [DE]	FASTENING SYSTEM FOR A PLATE-SHAPED STRUCTURAL ELEMENT
PT2270402E E 20121120	EP20090008598 20090701	F24J2/52	GREENONETEC [AT]	COMBINATION OF TROUGH COLLECTOR AND MOUNTING BRACKET

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RO127673 A2 20120730	RO20110000072 20110128	F03D3/00; F24F3/02; F24J2/36	UNIV POLITEHNICA DIN BUCURESTI [RO]	AUTONOMOUS HYBRID SYSTEM FOR PRODUCING ELECTRIC ENERGY BY USING WIND AND SUN ENERGY
RO127678 A0 20120730	RO20120000109 20120220	F24J2/54; F03G6/00; F24J2/52	UNIV TRANSILVANIA DIN BRASOV [RO]	SYSTEM AND METHOD FOR ORIENTING A FLAT THERMAL SOLAR COLLECTOR DEPENDING ON THE THERMAL NEED
RO127847 A0 20120928	RO20110001413 20111219	F24J2/34; F24J2/02	MAXIM DANIEL FLORIN [RO]	SOLAR PANEL WITH INCREASED THERMAL EFFICIENCY
RO127912 A2 20121030	RO20110000376 20110420	F24J2/08	LACEANU VASILE [RO]	SUN HEAT COLLECTOR
RO127913 A0 20121030	RO20120000391 20120601	F24J2/52	UNIV TRANSILVANIA DIN BRASOV [RO]	ORIENTING MECHANISM WITH ARTICULATED BARS AND PLANET GEARING
RO127978 A0 20121129	RO20110001412 20111219	F24J2/20	MAXIM DANIEL FLORIN [RO]	SOLAR HEATING SYSTEM WITH HEAT CARRIER ACCUMULATION AT HIGH TEMPERATURES
RO127979 A0 20121129	RO20120000467 20120622	F24J2/52; G05D1/10	UNIV TRANSILVANIA DIN BRASOV [RO]	MONOAXIAL ORIENTATION MECHANISM WITH TWO LINEAR ACTUATORS
RU2010154066 A 20120720	RU20100154066 20080611	F24J2/05	SRB EHNERDZHI RESERCH SARL [CH]; JUROPEAN ORGANIZEJSHN FOR N JUKLEAR RESERCH SERN [CH]	EVACUATED SOLAR PANEL WITH NON-EVAPORABLE- GETTER-BASED PUMP
RU2455582 C1 20120710	RU20100154189 20101230	F24J2/24; F24J2/46	DUDAREV NIKOLAJ VLADIMIROVICH [RU]; BULAEV ALEKSEJ ALEKSANDROVICH [RU]	SOLAR STORAGE WATER HEATER

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RU2455583 C2 20120710	RU20100138938 20100922	F24J2/42	FEDERAL NOE G VOENNOE OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA VOENNAJA [RU]	SOLAR MAGNETOHYDRODYNAMIC THERMAL POWER PLANT
RU2455584 C1 20120710	RU20100151630 20101216	F24J2/42; H01L31/00; H01L31/0352	UCHREZHDENIE ROSSIJSKOJ AKADEMII NAUK INST BIOKHM FIZ IM N M EHMANUEHLJA RAN [RU]	SOLAR MODULE AND COMBINED SOLAR POWER PLANT ON ITS BASIS
RU2459157 C1 20120820	RU20110120958 20110524	F03G6/04; F24J2/42	OOO PROMY T [RU]; G OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA JUZHNO URAL SKIJ GU GOU VPO J [RU]	HELIO-GEOTHERMAL STATION, AND ITS OPERATION METHOD
RU2460949 C1 20120910	RU20110109423 20110311	F24J2/04; F25B29/00	G OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA DAGESTANSKIJ GU [RU]	HEAT AND COLD SUPPLY SYSTEM
RU2461782 C1 20120920	RU20110114237 20110413	F24J2/24	KOPETSKIJ SERGEJ JUR EVICH [RU]	HEAT EXCHANGE PANEL
SE1150468 A1 20121120	SE20110050468 20110519	E04D13/18; F24J2/24	LICOLL AB [SE]	SUN PANEL ROOFING
SE1150598 A1 20121230	SE20110050598 20110629	F24J2/46; F24J2/52	HELIOCAMINUS AB [SE]	Solfångare
SI2233665T T1 20120928	FR20090051208 20090226; EP20100151904 20100128; FR20090053864 20090611		RAVOYARD HOLDING [FR]	Modular construction

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SK462012U U1 20120703	SK20120000046U 20120312	F24J2/32; F24J2/34	UNIV TECH KOSICIACH [SK]	Collector with parallel flow
SK500432012U U1 20121203	SK20120050043U 20120510	F24J3/00; E04B1/76; E04D13/18; F24F5/00; F24J2/00	SUSTEK ZDENKO [SK]	Energetic system of building
SK500512012U U1 20121203	SK20120050051U 20120605	H01L31/052; F24J2/46; H01L31/058	MASARYK MICHAL [SK]	Cooling method of photovoltaic panel and system for carrying out this method
SK632012U U1 20121105	SK20120000063U 20120509	F24J2/24; F24J2/46	UNIV TECH KOSICIACH [SK]	Solar collector with auto protection function
SK882011U U1 20120806	SK20110000088U 20110524	F24J2/20; F24J2/42; F24J2/46	BAMHOR JOZEF [SK]; URAM VLADIMIR [SK]	Additional double-way heating device
TR201010359 A1 20120723	TR20100010359 20101213	F24J2/00; F24J2/23; F24J2/46	YILDIRIM MEHMET [TR]	Enerji deposu.
TR201103628 A2 20121121	TR20110003628 20110414	F24J2/00	MANAV CEVAT [TR]	Takviyeli g ³ nes enerji sistemi-son asama.
TR201105414 A2 20121221	TR20110005414 20110602	F24J2/00	EZINC METAL SAN VE TIC A S [TR]	Kaynaksiz bir su deposu ve 3retim y-ntemi.
TR201106369 A2 20121121	TR20110006369 20110628	F24J2/00	TEKS TAR GUENES ENERJILERI ISITMA SOGUTMA VE TEKSTIL SANAYI VE TICARET LTD SIRKETI [TR]	Tekstil esasli esnek su ısıtıcı g ³ nes enerjisi kolekt-r ³ .
TR201106370 A2 20121221	TR20110006370 20110628	F24J2/00	TEKS TAR GUENES ENERJILERI ISITMA SOGUTMA VE TEKSTIL SANAYI VE TICARET LTD SIRKETI [TR]	Tekstil esasli g ³ nes enerjisi kolekt-rleriyle ısıtilan kurutucu.
TR201202958U U 20120921	TR20120002958U 20120315	F24J2/00	SEVIM FUNDA [TR]	Koruyucu duvar özelliği olan (paravan) ve çift taraflı çalışan ekonomik güneş kolektörü.

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TR201208904U U 20121022	TR20120008904U 20120731	F24J2/00	DERYA GUENES KOLLEKTOERLERI A S [TR]	taban levhasi ve cam levha montaji sizdirmazlik elemani vasitasi ile gerpeklestirilen g ³ nes enerjisi kolekt-r ³ .
TR201209740U U 20121022	TR20120009740U 20120824	F24J2/00	IGREK YAVUZ [TR]	Günes enerjisiyle su isitma sistemlerinde kullanılan kollektör borusunda yapılanma
TR201211501U U 20121221	TR20120011501U 20121008	F24J2/00	OEZEL SERGUEN GUENISI INSAAT MALZEMESI PAZARLAMA IMALAT NAKLIYE TURIZM SANAYI VE TICARET LTD SIRKETI [TR]	Günes enerjisiyle su isitma sistemlerinde kullanılan kollektör borusunda yapılanma
TW201226818 A 20120701	TW20100145922 20101224	F24H7/06; F24J2/04	CHEN CHONG-RONG [TW]	Optic power heating device
TW201226819 A 20120701	TW20100145673 20101224	F24J2/38; G02B7/00	CHUNG SHAN INST OF SCIENCE [TW]	Multidimensional micro-actuator
TW201226820 A 20120701	TW20100146832 20101230	F24J2/38	NAT UNIV TSINGHUA [TW]	Device and method for solar-tracking according to sensor
TW201226821 A 20120701	TW20100147143 20101231	F24J2/40	UNIV KUN SHAN [TW]	Solar tracking motor control system
TW201227991 A 20120701	TW20100147170 20101231	H01L31/052; F24J2/08	CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY [TW]	Optical lens manufacturing method of a Fresnel lens with enhanced solar panels generating power
TW201229443 A 20120716	TW20110101458 20110114	F24J2/00	HON HAI PREC IND CO LTD [TW]	Solar powered electricity generating apparatus
TW201229444 A 20120716	TW20110100666 20110107	F24J2/38	PROMOS TECHNOLOGIES INC [TW]	Solar tracking system and method thereof
TW201231855 A 20120801	TW20110102647 20110125	F21S11/00; F21V8/00; F24J2/38; G02B3/08	UNIV NAT TAIPEI TECHNOLOGY [TW]	A illumination system guided by a light fiber through solar beams

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TW201231898 A 20120801	TW20110103086 20110127; TW20110137750 20111018	F24J2/38; F24J2/40	UNIV NAT CENTRAL [TW]	Sun tracking method and sun tracking system
TW201231899 A 20120801	TW20110103441 20110128	F24J2/54	GIO OPTOELECTRONICS CORP [TW]	Solar cell apparatus
TW201237338 A 20120916	TW20110107866 20110309	F24J2/38; F24J2/54	ZHANG ZI-HAN [TW]	Criss-cross type sun tracking solar energy system
TW201239098 A 20121001	TW20110109459 20110318	C21B15/00; C01B3/32; C22B5/12; C25B1/04; F24J2/10	SUN HYDROGEN INC [US]	Clean steel production process using carbon-free renewable energy source
TW201239296 A 20121001	TW20110110912 20110330	F24J2/34; B09B5/00	HUNG TSENG-TUNG [TW]	Heat storage device
TW201239297 A 20121001	TW20110109115 20110317	F24J2/38	HSIUPING INST TECHNOLOGY [TW]	Solar-energy orientation sensor
TW201240118 A 20121001	TW20110110327 20110325	H01L31/052; F24J2/46; G02B6/122	LIN SHENG-CHUN [TW]	Solar stacked light guiding module
TW201240892 A 20121016	TW20110112764 20110413	B65D90/00; F24J2/00; F24J3/00	HON HAI PREC IND CO LTD [TW]	Container with self-power-supply function
TW201241378 A 20121016	TW20110112558 20110412	F24J2/46	YUEN SHUN XIN IND CO LTD [TW]	Solar power generating device
TW201241379 A 20121016	TW20110111674 20110401	F24J2/52	WIN WIN PREC TECHNOLOGY CO LTD [TW]	L-shaped support structure for use in solar panel frame and manufacturing method thereof
TW201241486 A 20121016	TW20110113111 20110415	G02B3/14; G02F1/13	NAT UNIV TSINGHUA [TW]	System for switching focus position
TW201241654 A 20121016	TW20110112909 20110414	G06F17/50; F24J2/00	ATOMIC ENERGY COUNCIL [TW]	Method for deploying a concentrating photovoltaic system
TWM434183U U 20120721	TW20120203227U 20120222	F24J2/04	XIE ZAI-KU [TW]	Solar hot water system
TWM434184U U 20120721	TW20120203197U 20120222	F24J2/44	POWER SOLAR ENERGY SERVICE CO LTD [TW]	Solar water heater

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TWM434185U U 20120721	TW20110221405U 20111111	F24J2/46	NCKU RES AND DEV FOUNDATION [TW]	Wind resistance board structure
TWM434186U U 20120721	TW20120204037U 20120306	F24J2/46	NAT QUEMOY UNIVERSITY [TW]	Light-concentrating type solar energy receiver
TWM434914U U 20120801	TW20110225132U 20111230	F24J2/46	WEN TIAN-CAI [TW]	Indirect solar water heater
TWM434915U U 20120801	TW20120204436U 20120312	F24J2/52	NEXPOWER TECHNOLOGY CORP [TW]	Solar energy module frame padlock device
TWM435581U U 20120811	TW20120203004U 20120220	F24J2/46	OHYA TRADING CO LTD [TW]	A light-gathering implement
TWM436153U U 20120821	TW20120206963U 20120416	F24J2/02	CHEN JEN-FENG [TW]	Vacuum storage type solar water heater
TWM436154U U 20120821	TW20120208056U 20120430	F24J2/04	KUNSHAN JUE CHUNG ELECTRONICS CO LTD [CN]	Flat tube type solar heat collection structure
TWM436156U U 20120821	TW20120206691U 20120412	F24J2/51	UNIV SOUTHERN TAIWAN [TW]	Thermally-isolated solar energy module
TWM436273U U 20120821	TW20120203039U 20120220	H02J15/00; F24J2/00	XIE DA-HUA [TW]	Solar energy storage device
TWM436814U U 20120901	TW20120204501U 20120313	F24J2/04	UNIV DAYEH [TW]	Solar-assisted heat pump system of integral concentrated photovoltaic and thermoelectric module
TWM436815U U 20120901	TW20120209161U 20120515	F24J2/04	LUO JUN-GUANG [TW]	Water-heating device of solar energy
TWM436816U U 20120901	TW20120209259U 20120516	F24J2/46	DRANSERA HEATER CO LTD [TW]	Heat conducting elements fixture device of solar water heater
TWM436817U U 20120901	TW20110218679U 20111005	F24J2/52	BEYOND PV CO LTD [TW]	Frame assembly and frame of solar energy module
TWM436941U U 20120901	TW20120201504U 20120120	H01L31/058; F24J2/24	ZHUANG ZHENG-XI [TW]	A solar device
TWM437337U U 20120911	TW20120206521U 20120411	C02F1/32; F24J2/46	TAIPEI CHENGSHIH UNIVERSITY OF SCIENCE AND TECHNOLOGY [TW]	Solar disinfecting and cooling device for water tank

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TWM439166U U 20121011	TW20120213857U 20100126	F24J2/40	BOW TECHNOLOGY CO LTD [TW]	Auxiliary heating controller and auxiliary heating device suitable for solar hot water system
TWM439765U U 20121021	TW20120210206U 20120529	F24F3/06; F24J2/00	UNIV DAYEH [TW]	Solar energy assisted dehumidifying wheel-type air-conditioner system
TWM440039U U 20121101	TW20120213044U 20120706	A47C1/00; E03B3/02; F24J2/46	ZHOU DING-JIN [TW]; ZHANG QING-SHAN [TW]	Chair structure with decoration and rainwater collection reutilization
TWM441808U U 20121121	TW20120207516U 20120423	F24J2/38	TOPPER SUN ENERGY TECHNOLOGY CO LTD [TW]	Transmission device of uniaxial type solar tracking platform
US2012167493 A1 20120705	WO2010KR06272 20100914; KR20090086872 20090915	F24J2/52	3DS FAMILY CO LTD [KR]	SUNLIGHT-COLLECTING APPARATUS
US2012167871 A1 20120705	US20110985017 20110105	F24J2/38; F24J2/40	FALBEL GERALD [US]	Photovoltaic and Thermal Energy System With Improved Tracking
US2012167872 A1 20120705	TW20100225408U 20101229	F24J2/08; F24J2/38	LIN CHIA-YEN [CN]	Solar Energy Collecting Device
US2012167873 A1 20120705	US20090270526P 20090708; WO2010US41301 20100708; US201013381356 20100708	F24J2/42; B23P15/26; F24J2/00	AREVA SOLAR INC [US]	SOLAR POWERED HEATING SYSTEM FOR WORKING FLUID
US2012167952 A1 20120705	JP20090218406 20090924; WO2009JP06457 20091130	H01L31/058; F03G6/06; F24J2/34	YASHIKI TATSURO [JP]; NAGAFUCHI NAOYUKI [JP]	Heat Pump Power Generation System
US2012167953 A1 20120705	CN20091035040 20090909; WO2010CN76751 20100909	H01L31/058; F24J2/04	SUZHOU GAIA INTELLIGENCE TECHNOLOGY CO LTD [CN]	SOLAR ENERGY COLLECTOR WITH COMPREHENSIVE EFFECTS

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US2012174603 A1 20120712	US20110986368 20110107	F25D17/06; B01D50/00; F23L17/02; F24J2/04; F24J3/08	FERNANDEZ-HAN JAVIER [US]	CLEAN WATER RECLAMATION FROM HUMID AIR
US2012174908 A1 20120712	US201213348083 20120111; US201161432100P 20110112	F24J2/04; F24J2/10; F24J2/16; F24J2/24; F24J2/46; F24J2/52; H01L31/0232	GERIS ROBERT WARREN [US]	SOLAR COLLECTION SYSTEM AND SOLAR COLLECTOR THEREFOR
US2012174909 A1 20120712	US20110986992 20110107	F24J2/38; F24J2/00; F24J2/40	KONINGSTEIN ROSS [US]; FITCH JOHN S [US]; RICKET DOUGLAS J [US]; MO VINCENT [US]	Heliostat Control Scheme Using Cameras
US2012174910 A1 20120712	US201013376482 20100608; US20090185084P 20090608; WO2010EP57980 20100608	F24J2/04; B21D53/02	GIL ORI [IL]; KLAPWALD SHMULIK [IL]; LEVI NAIM [IL]; SHARON YIGAL [IL]	SOLAR FIELD AND METHOD FOR ASSEMBLING THE SOLAR FIELD
US2012174911 A1 20120712	CH20080001566 20081001; WO2009CH00310 20090929; CH20080001559 20080930	F24J2/24; B23P15/26; G02B7/188	PEDRETTI ANDREA [CH]	SOLAR COLLECTOR
US2012174912 A1 20120712	ES20090030521 20090728; WO2010ES70516 20100726	F24J2/46	ABENGOA SOLAR NEW TECH SA [ES]	FRAME FOR SUPPORTING AND CALIBRATING A PEDESTAL, PREFERABLY FOR A HELIOSTAT
US2012174913 A1 20120712	WO2010EP63120 20100907; DE200920011880U 20090910; DE200920012226U 20090910	F24J2/52	SCHUECO INT KG [DE]	Module Arrangement Consisting of Solar Modules

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US2012174962 A1 20120712	US201113209823 20110815; US201161430233P 20110106	H01L31/052; F24J2/16; F24J2/38; F24J2/52	GOOGLE INC [US]	Controlling Movement of a Solar Energy Member
US2012174965 A1 20120712	JP20090215737 20090917; WO2010JP65755 20100913	H01L31/052	DAIDO METAL CO [JP]	SOLAR POWER GENERATOR
US2012180406 A1 20120719	WO2009JP71527 20091225	E04D13/18	YANEGIJUTSUKENKYUJO CO LTD [JP]	AUXILIARY MEMBER
US2012180483 A1 20120719	JP20100265676 20101129; JP20100265679 20101129	F03G6/04; F03G6/06; F24J2/24; F24J2/46	mitsubishi heavy ind ltd [JP]	SOLAR HEAT RECEIVING APPARATUS
US2012180484 A1 20120719	EP20090166347 20090724; WO2010EP60712 20100723	F24J2/34; F03G6/06; F24J2/38; F25B27/00; F28D20/00	BAK JORGEN [DK]	HEAT STORAGE SYSTEM
US2012180511 A1 20120719	DK20090070057 20090708; WO2010EP59790 20100708	F25B27/00; F24J2/04; F24J2/34; F25B13/00	COLIPU AS [DK]	Energy System With A Heat Pump
US2012180780 A1 20120719	TW20110200890U 20110114	F24J2/38	TSENG HSIEN-TE [TW]; LIU CHUN-CHIH [TW]; HUNG CHIH-LI [TW]	SOLAR PANEL SUN-TRACING EQUIPMENT
US2012180781 A1 20120719	US201113273995 20111014; PT20050103300 20050630; US20080921930 20080516; WO2005PT00014 20050914	F24J2/44	JOAQUIM POLICARPO SILVA SIMOES [PT]; NUNO GONCALO MACHADO SIMOES [PT]	SOLAR HEATER SYSTEM FOR DOMESTICS WATERS

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US2012180782 A1 20120719	AT20090001190 20090729; WO2010EP59692 20100707	F24J2/40; F24J2/24	VKR HOLDING AS [DK]	SOLAR APPARATUS WITH AT LEAST TWO SOLAR COLLECTORS WITH DIFFERENT EXPOSURE
US2012186167 A1 20120726	US201213357038 20120124; US201161435407P 20110124	F24J2/52; E04B1/32; E04B1/34; E04H14/00	NARAGHI MOHAMMAD [US]	BUILDING FACADE SURFACE FOR SEASONAL SELECTIVENESS OF SOLAR IRRADIATION ABSORPTION AND REFLECTION
US2012186170 A1 20120726	US201213437992 20120403; US20100829503 20100702; US201113023086 20110208	F24J2/52; E04B1/00; E04B1/38; E04B2/88	MACDONALD PHIL A [CA]; SANTOS MARCO [CA]; MACDONALD ROBERT B [CA]	Wall Panel Systems for Rigid Wall Panels
US2012186575 A1 20120726	US201113192669 20110728; US20100369876P 20100802	F24J2/24; F24J2/10; F24J2/48; F24J2/50	ORRIN SYSTEMS INC [US]	Solar Collector
US2012192513 A1 20120802	US201113339016 20111228; US201061460331P 20101230	F24J2/24; E04D13/18	SOLARTECH INTERNATIONAL LLC [US]	Assembly and Method for solar heating tube(s)
US2012192514 A1 20120802	US20090224925P 20090713; US201013383419 20100621; WO2010IB52782 20100621	F03D9/00; E04H12/00; F24J2/52	LEVIATHAN ENERGY WIND LOTUS LTD [IL]	TELECOM TOWER VERTICAL AXIS WIND TURBINES
US2012192856 A1 20120802	WO2011US23317 20110201	F24J2/34	XU YANJIE [US]	IONIC LIQUID SOLAR PONDS
US2012192857 A1 20120802	US201113018247 20110131	F24J2/38; F24J2/00; F24J2/40	GOOGLE INC [US]	Heliostat Assignment in a Multi- Tower Field

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US2012192858 A1 20120802	WO2010FR52098 20101005; FR20090056964 20091006	F24J2/08; F24J2/40; F24J2/52	OURY JEAN-MARC [FR]; RIGAL VINCENT [FR]	DEVICE FOR CONCENTRATING SOLAR RADIATION
US2012192859 A1 20120802	DE200910035238 20090729; WO2010EP60816 20100726	F24J2/48; B05D1/12; B05D3/02	ENGLERT PETER [DE]	SOLAR COLLECTOR AND METHOD FOR PRODUCING A LIGHT-ABSORBING SURFACE
US2012192917 A1 20120802	US201113015317 20110127	H01L31/052; F24J2/38	WHITTED WILLIAM H [US]; FITCH JOHN S [US]; KONINGSTEIN ROSS [US]	SOLAR TRACKER MECHANISM
US2012192920 A1 20120802	US201113015307 20110127	H01L31/052; F24J2/04; H01L31/048	TOTAL ENERGY RENEWABLE POWER SYSTEMS LLC [US]	Stacked Layer High Efficiency Solar Energy Collector
US2012192922 A1 20120802	AU20090905048 20091016; WO2010AU01376 20101018	H01L31/058; F24J2/04; F24J2/38; G02B5/10; H01L31/0232; H01L31/052	CONSUNTRATE PTY LTD [AU]	SOLAR COLLECTOR

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US2012193912 A1 20120802	US201013499702 20101006; US20090252210P 20091016; US20090252667P 20091017; US20090252668P 20091017; US20100376927P 20100825; US20100377150P 20100826; WO2010US51667 20101006; US20090249062P 20091006	F24J2/00; F24J2/40; F25B9/00; H02K7/18	PDM SOLAR INC [US]	Thermal Transformer
US2012199116 A1 20120809	FR20090057411 20091022; FR20090058609 20091203; WO2010FR52221 20101019	F24J2/02; F24J2/24	SAINT GOBAIN [FR]	SOLAR COLLECTOR
US2012199117 A1 20120809	US201113024193 20110209	F24J2/46; B23P15/26	BABCOCK POWER SERVICES INC [US]	SYSTEMS AND METHODS FOR SOLAR BOILER CONSTRUCTION
US2012199175 A1 20120809	US201113023307 20110208	H01L31/052; F16H13/06; F16H57/08; F24J2/38; F24J2/52	GOOGLE INC [US]	Articulating a Solar Energy System

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US2012199198 A1 20120809	WO2010US53039 20101018; US201013499763 20101018; US20090254896P 20091026	H01L31/0232; F24J2/08	HEBRINK TIMOTHY J [US]; JONZA JAMES M [US]	STRUCTURED FILM AND ARTICLES MADE THEREFROM
US2012204859 A1 20120816	US201113028995 20110216	F24J2/38; G02B7/185	TOYOTA ENG & MFG NORTH AMERICA [US]	METHOD AND APPARATUS TO CONTROL A FOCAL LENGTH OF A CURVED REFLECTOR IN REAL TIME
US2012204860 A1 20120816	US201213396707 20120215; US201161443494P 20110216	F24J2/32; F24J2/00; F28D15/02	CRAWMER DONALD L [US]	EVACUATED TUBES FOR SOLAR THERMAL ENERGY COLLECTION
US2012204862 A1 20120816	US201113028941 20110216	F24J2/12; B21D31/00	TOYOTA ENG & MFG NORTH AMERICA [US]	LOW COST PARABOLIC SOLAR CONCENTRATOR AND METHOD TO DEVELOP THE SAME
US2012204863 A1 20120816	US201213424207 20120319; US20100707063 20100217	F24J2/10	INV HOUSE LLC [US]	Solar Collector
US2012204934 A1 20120816	US201113025092 20110210	F24J2/52; H01L31/052	KONINGSTEIN ROSS [US]; FITCH JOHN S [US]; WHITTED WILLIAM H [US]; GERSHONY ZVI [US]	Bearing Based Solar Tracker
US2012208007 A1 20120816	US201213397208 20120215; US201161443544P 20110216	B32B27/00; B05D5/06	HONEYWELL INT INC [US]	BARRIER MATERIALS FOR MIRROR ASSEMBLIES
US2012210999 A1 20120823	US201113031427 20110221	F24J2/40; F24J2/04; F24J2/38	STRAETER JAMES E [US]	SOLAR HEATING SYSTEM FOR A HOT WATER HEATER

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US2012211000 A1 20120823	US201113209730 20110815; US201161444497P 20110218	F24J2/52; F24J2/38	GOOGLE INC [US]	Systems and Methods for Solar Energy Management
US2012211001 A1 20120823	US201113033434 20110223	F24J2/38	UNIV KING FAHD PET & MINERALS [SA]	SYSTEM AND METHOD FOR AUTOMATIC POSITIONING OF A SOLAR ARRAY
US2012211002 A1 20120823	US201113033230 20110223	F24J2/04	HUMPHREYS MICHAEL [CN]	Hotwater Tank
US2012211004 A1 20120823	US201213399287 20120217; US201161444523P 20110218	F24J2/46	GOLDMAN TAMAR [IL]; GOLDSTEIN JONATHAN [IL]	SOLAR TURF DEVICES SYSTEMS AND METHODS
US2012216465 A1 20120830	US20100657322 20100119	E04D13/18; F24J2/52; H01L31/18	VARI PETER [US]	Fastener free assembly system for solar panel arrays
US2012216537 A1 20120830	US201113037246 20110228	F03G6/04; B28B3/02; B29C35/02; F02C1/05; F24J2/24; F24J2/48	FITCH JOHN S [US]	Solar Receiver
US2012216538 A1 20120830	US201013505513 20101101; US20090257083P 20091102; WO2010US54913 20101101	F03G6/04; F02G1/055; F03G6/06	GARAWAY ISAAC [IL]; HAREL EREZ [IL]; SOSA NARANJO CRISTINA [ES]; MUNOZ GILABERT FELIX [ES]	STIRLING ENGINE SOLAR CONCENTRATOR SYSTEM
US2012216853 A1 20120830	US201113035378 20110225	H01L31/058; F24J2/04; F24J2/30	ROUNTREE JOHN [US]	INTEGRATED SOLAR ENERGY SYSTEM

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US201222372 A1 20120906	AT20090001823 20091118; AT20090001824 20091118; AT20090001825 20091118; WO2010AT00441 20101116	F16M11/12; E02D27/00; E02D27/32; F24J2/38	HILBER FRANZ [AT]	ADJUSTING DEVICE OF A STATIONARY PHOTOVOLTAIC SYSTEM
US2012222670 A1 20120906	US201113040908 20110304	F24J2/46; B23P15/26	DOLPHIN JOHN ALLAN [US]; FINNEY ALLAN GARY [US]	Solar Heater
US2012223033 A1 20120906	IL20090202079 20091112; WO2010IL00938 20101111	F24J2/52; F16M11/00	MOLEK EFRAIM [IL]	MODULAR SUPPORT CONSTRUCTION
US2012224256 A1 20120906	DE200920015334U 20091111; WO2010EP66958 20101105	G02B1/11	ALMECO TINOX GMBH [DE]	OPTICALLY ACTIVE MULTILAYER SYSTEM FOR SOLAR ABSORPTION
US2012227401 A1 20120913	US201013511158 20101123; WO2010IB55368 20101123; US20090264055P 20091124	F03G6/06; F24J2/34; F24J2/52	BRIGHTSOURCE IND ISRAEL LTD [IL]	METHOD AND APPARATUS FOR OPERATING A SOLAR STEAM SYSTEM

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US2012227730 A1 20120913	US201013510760 20101123; US20090281819P 20091123; US20090284611P 20091221; US20100336780P 20100126; US20100341085P 20100325; WO2010US03046 20101123	F24J2/44; F24J2/34; F28D5/00	TEOH SIANG TEIK [MY]	COAXIAL TUBE SOLAR HEATER WITH NIGHTTIME COOLING
US2012234313 A1 20120920	US201113051538 20110318	F24J2/05; F24J2/26; F24J2/48	ZYRUS BETEILIGUNGSGMBH & CO PATENTE I KG [DE]	SOLAR COLLECTOR AND METHOD FOR MANUFACTURING SUCH A SOLAR COLLECTOR
US2012234668 A1 20120920	US201213352065 20120117; US20100849761 20100803; US20090231081P 20090804; US20090233667P 20090813; US20090244349P 20090921	B01J19/12	COMBINED POWER COOPERATIVE [US]	SYSTEMS AND METHODS OF GENERATING ENERGY FROM SOLAR RADIATION USING PHOTOCATALYTIC PARTICLES
US2012235017 A1 20120920	US201213399970 20120217; US20100965065 20101210; US20100318577P 20100329	H01L31/042; G01J1/20	SEDONA ENERGY LABS LTD COMPANY	COUNTERBALANCED DUAL AXIS SOLAR TRACKING SYSTEM

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US2012235411 A1 20120920	US201113230835 20110912; US20100403153P 20100910	F03G6/04; F01D15/10; F24J2/34	HUNKA ROBERT [US]	Low Profile Solar Energy Conversion System
US2012240920 A1 20120927	US201113071322 20110324	F24J2/30; B23P15/26; F28F9/02	RHODES RICHARD O [US]	POLYMER MANIFOLD AND POLYMER HEAT EXCHANGER
US2012247453 A1 20121004	TW20110110901 20110330	F24J2/40	UNIV NAT CHENG KUNG [TW]	DEHYDRATION DEVICE
US2012247455 A1 20121004	US201013389023 20100806; WO2010US44681 20100806; US20090231674P 20090806	F24J2/04; F24J2/30; F24J2/44; F24J2/46	ECHOGEN POWER SYSTEMS LLC [US]	SOLAR COLLECTOR WITH EXPANDABLE FLUID MASS MANAGEMENT SYSTEM
US2012247457 A1 20121004	JP20100046757 20100303; WO2011JP54529 20110228	F24J2/10; B05D5/06; C09D127/12; C09D127/14; C09D127/16; C09D127/18; C09D127/20	ASAHI GLASS CO LTD [JP]	COATING COMPOSITION FOR SOLAR HEAT-COLLECTING REFLECTIVE PLATE, AND SOLAR HEAT-COLLECTING REFLECTIVE PLATE AND PROCESS FOR ITS PRODUCTION
US2012247721 A1 20121004	US201213452282 20120420; WO2010CA01682 20101022; US20090253942P 20091022	F24J2/52; E04B1/16; F28F9/00	NANEFF BORIS [CA]; MANCINI ROBERT [CA]; LISK LES [CA]; HOOD JOHN [CA]	WALL ASSEMBLY WITH PHOTOVOLTAIC PANEL

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US2012251087 A1 20121004	US201213475355 20120518; US20090389598 20090220; US20080030755P 20080222; US20080061908P 20080616; US20080074799P 20080623; US20080074840P 20080623; US20080074869P 20080623; US20080074889P 20080623; US20080090084P 20080819	F28D17/00; B23P15/26; F24H7/00; F24J2/34	DOW GLOBAL TECHNOLOGIES LLC [US]	HEAT STORAGE DEVICES
US2012255471 A1 20121011	JP20110086905 20110411	F23L15/00; F23D1/00; F23K3/02	HITACHI LTD [JP]	Solar Boiler System
US2012255540 A1 20121011	US201113081829 20110407	F24J2/46	HUTCHIN RICHARD A [US]	SUN TRACKING SOLAR CONCENTRATOR
US2012260587 A1 20121018	US201013516836 20101216; US20090287407P 20091217; WO2010EP69864 20101216	E04D13/18; E04D5/00; F24J2/46	PINI NICCOLO [CH]	SUBSTANTIALLY TWO- DIMENSIONAL CONSTRUCTION ELEMENT
US2012260656 A1 20121018	TW20110113240 20110415	F03G6/00; F24J2/04; F24J2/34	TSENG CHUNG-JEN [TW]; CHEN CHI-FU [TW]	PHASE-CHANGE HEAT- STORAGE THERMAL POWER GENERATION SYSTEM
US2012260906 A1 20121018	US201113085353 20110412	F24J2/40; F24J2/24; F24J2/50	BAETEN MARK GERALD [US]	SOLAR HEATING DEVICE

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US2012260907 A1 20121018	US201113088301 20110415	F24J2/38; F24J2/00	UNIV KING SAUD [SA]	Solar Heating Apparatus and Methods
US2012260910 A1 20121018	US201213506119 20120328; US20090381696 20090316	F24J2/08; G02B6/32	MARTIN-LOPEZ FERNANDO RAMON [US]	Solar energy collector
US2012261364 A1 20121018	US201213527444 20120619; US20090492802 20090626; US20080076492P 20080627	F24J2/52; H01L31/048	BOTKIN JONATHAN [US]; GRAVES SIMON [US]; LENOX CARL J S [US]; CULLIGAN MATTHEW [US]; DANNING MATT [US]	PHOTOVOLTAIC MODULE AND MODULE ARRAYS
US2012263845 A1 20121018	CN20092156078U 20090523; CN20091178668 20090922; WO2010CN00713 20100520	F24J2/02; A23L1/01; A47J27/04; F24J2/42	SHI YANG [CN]	Solar Steam Cooker
US2012266863 A1 20121025	US201113090253 20110420	F24J2/00; C01B3/04; C01B6/04; F03G6/00; F28F7/00; H01M8/06	SAXENA SURENDRA [US]; TAO YONG X [US]	Solar-Hydrogen Hybrid Storage System for Naval and Other Uses
US2012266864 A1 20121025	GB20090019602 20091110; WO2010EP06781 20101108; GB20090022027 20091217; GB20090022034 20091217; GB20090022036 20091217; GB20100001186 20100126	F24J2/04; C02F1/02; F24J2/00; F24J2/40	WRIGHT ALAN DEREK [GB]	SOLAR HEATING AND PASTEURISATION SYSTEM

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US2012266866 A1 20121025	US201113092461 20110422	F24J2/38; F24J2/02; F24J2/10; F24J2/52	DOBNEY DAVID [CA]	Cable Ganged Heliostat
US2012266867 A1 20121025	US201113323401 20111212; US201113092360 20110422	F24J2/04	CITTI CLAUDIO [US]; SASSI FRANCESCO [US]; GHIRARDINI GUIDO VOLPI [IT]; SCAVIZZI GIANCARLO [US]; KAUFMANN GABRIEL [IL]; MAGEN YONA [IL]; SCAVIZZI LUCIANO [US]	Solar Thermal Receiver
US2012266938 A1 20121025	US201213445624 20120412; US201161478597P 20110425	H01L31/052; F24J2/38	ASPECT SOLAR PTE LTD [SG]	SOLAR TRACKING SYSTEM AND METHOD FOR CONCENTRATED PHOTOVOLTAIC (CPV) SYSTEMS
US2012267328 A1 20121025	US201213451482 20120419; US201161477081P 20110419	F24J2/52	MAINSTREAM ENERGY CORP [US]	RACKING ASSEMBLIES FOR SOLAR PANEL INSTALLATIONS
US2012272613 A1 20121101	US201213533301 20120626; US20100686598 20100113; US20090567908 20090928; US20090383240 20090320	E04G21/14	NORTHERN STATES METALS COMPANY [US]	SUPPORT SYSTEM FOR SOLAR PANELS
US2012272948 A1 20121101	DK20090000957 20090825; WO2010DK00119 20100824	F28D15/00; F24J2/04	DANFOSS AS [DK]	HEAT STORAGE SYSTEM
US2012274078 A1 20121101	US201113096418 20110428	H02K7/18; F02C6/04; F03G6/06	GEN ELECTRIC [US]	HYBRID CONCENTRATED SOLAR COMBINED CYCLE POWER PLANT AND SOLAR REFORMER FOR USE THEREIN

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US2012279485 A1 20121108	US201113100216 20110503	F24J2/38; F24J2/00; F24J2/40	GOOGLE INC [US]	Optical Signal Aiming for Heliostats
US2012279488 A1 20121108	US201213462249 20120502; US201161483141P 20110506	F24J2/12; F24J2/04; F24J2/52	DISANTO DAVID J [US]	SOLAR CONCENTRATOR CONSTRUCTION
US2012279490 A1 20121108	US201013505196 20101229; US20090648889 20091229; US20100361706P 20100706; WO2010US62328 20101229	F24J2/10; F24J2/04	CREATE TECHNOLOGIES INC [US]	WAVE GENERATED ENERGY FOCUSING LENS AND REFLECTOR FOR SOLAR CONCENTRATION, COLLECTION, AND HARNESSING
US2012279491 A1 20121108	US201113102764 20110506	F24J2/04	HUMPHREYS MICHAEL [CN]	Solar Drainback Tank
US2012279550 A1 20121108	US201113099152 20110502	H01L31/052; F24J2/54	NOBLE ROBERT L [US]; WHEATLEY DESMOND [US]	Device for Continuously Reorienting a Solar Panel
US2012279927 A1 20121108	US201113101965 20110505	C02F1/30; B01D35/30; B21D53/02; F24J2/36	HUSSON JR FRANK D [US]	SOLAR WATER PASTEURIZER
US2012285441 A1 20121115	WO2010IL00450 20100608; IL20110216788 20111206; US20090184845P 20090608	F24J2/42	STAROSELSKY YIGAL [IL]	METHOD, SYSTEM AND APPARATUS FOR USAGE WITH A COMMON WATER HEATING SYSTEM
US2012285442 A1 20121115	US201113107152 20110513	F24J2/34	HUNG TSENG-TUNG [TW]	HEAT STORAGE DEVICE
US2012285443 A1 20121115	US201113105812 20110511	F24J2/10	TOYOTA ENG & MFG NORTH AMERICA [US]	ADJUSTABLE REFLECTOR FOR DIRECTING ENERGY TO A RECEIVER

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US2012285444 A1 20121115	US201113106034 20110512	F24J2/10	HU YONGDAN [US]; WASSON NANCY E [US]; KAPELANCZYK MATTHEW M [US]	PRISM SHIELDS FOR A PARABOLIC TROUGH SOLAR COLLECTOR
US2012285507 A1 20121115	US201113107315 20110513	H01L31/052; F24J2/38	ORMAT TECHNOLOGIES INC [US]	HELIOSTAT SYSTEM AND METHOD OF USING SAME
US2012287499 A1 20121115	JP20100022014 20100203; WO2011JP51429 20110126	G02B5/08; C23C16/06; G02B5/22	ADACHI HITOSHI [JP]	FILM MIRROR, METHOD FOR PRODUCING SAME, AND SUNLIGHT REFLECTING MIRROR
US2012287521 A1 20121115	JP20100023945 20100205; JP20100073924 20100327; WO2011JP51566 20110127	G02B5/08	KONICA MINOLTA ADVANCED LAYERS [JP]	FILM MIRROR, FILM MIRROR FOR SOLAR POWER GENERATION AND REFLECTION DEVICE FOR SOLAR POWER GENERATION
US2012291433 A1 20121122	US201113110959 20110519	F03G6/06; F01K25/08; F03G6/00; F24J2/05	NING MENG [CA]	LOW TEMPERATURE RANKINE CYCLE SOLAR POWER SYSTEM WITH LOW CRITICAL TEMPERATURE HFC OR HC WORKING FLUID
US2012291767 A1 20121122	US201213473254 20120516; US201161487016P 20110517	F24D11/00; F24J2/34	SPEAR DANIEL [US]	SYSTEM AND METHOD FOR TEMPERATURE REGULATION
US2012291768 A1 20121122	CN20101112120 20100223; WO2010CN79287 20101130	E04D13/18; F24J2/24	FU LIMING [CN]	SOLAR ENERGY-POWERED HEATING AND COOLING SYSTEM FOR BUILDINGS
US2012291769 A1 20121122	US201113067216 20110517	F24J2/46	GUARDIAN INDUSTRIES [US]	Roof-mounted water heater

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US2012291771 A1 20121122	US201213563999 20120801; ZA20070000279 20070710; US20100668406 20100311; WO2008IB52714 20080707	F24J2/05; F24J2/24; F24J2/48	BRITS GAVIN JOHN [ZA]	FLUID HEATING SYSTEM
US2012291868 A1 20121122	IL20110213011 20110519	F24J2/00; F24H9/02	GILADI DROR [IL]	WATER HEATING DEVICE
US2012297622 A1 20121129	WO2011IB52311 20110526	G02B5/10	OZKUL TARIK [TR]	METHOD AND APPARATUS FOR MAKING STATIONARY PARABOLIC SOLAR COLLECTOR
US2012298098 A1 20121129	US201213570524 20120809; US20090617054 20091112; US20090151984P 20090212; US20090152011P 20090212; US20090152035P 20090212; US20090152049P 20090212; US20090152077P 20090212; US20090152114P 20090212; US20090152286P 20090213	F24J2/24; F24J2/46	BABCOCK POWER SERVICES INC [US]	CORNER STRUCTURE FOR WALLS OF PANELS IN SOLAR BOILERS

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US2012298180 A1 20121129	US201213479039 20120523; US201161488928P 20110523	H01L31/052; F01D15/10; F03G6/06; F24J2/10; F24J2/38; H01L31/042	CARLORATTIASSOCIATI SRL [IT]	SOLAR CANOPY SYSTEMS AND METHODS
US2012298188 A1 20121129	US201213434426 20120329; US201213351397 20120117; US20090594935 20091006	H01L31/048	ZEP SOLAR INC [US]	Method and Apparatus for Forming and Mounting a Photovoltaic Array
US2012298817 A1 20121129	US201213402846 20120222; US20100830249 20100702; US201161445042P 20110222; US20090270122P 20090702; US20090255004P 20091026; US20100351586P 20100604	H01L31/02	WEST JOHN RAYMOND [US]; HUDSON TYRUS HAWKES [US]	Pivot-Fit Frame, System and Method for Photovoltaic Arrays
US2012304556 A1 20121206	US201113220493 20110829; US201161493296P 20110603	E04D13/18; E04B1/38; E04D13/10	RAYMOND A & CIE [FR]	ROOF CLAMP
US2012304981 A1 20121206	US201113150529 20110601	F24J2/38; F24J2/10	OLSEN ROLF MILES [US]	Dynamic distributed tower receiver system for collecting, aiming and receiving solar radiation

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US2012304982 A1 20121206	US201213584888 20120814; US20090552724 20090902; US20090151984P 20090212; US20090152114P 20090212; US20090152077P 20090212; US20090152049P 20090212; US20090152035P 20090212; US20090152011P 20090212; US20090152286P 20090213	F24J2/24	BABCOCK POWER SERVICES INC [US]	ARRANGEMENT OF TUBING IN SOLAR BOILER PANELS
US2012305076 A1 20121206	US201113323470 20111212; US20090454542 20090519; US20080128113P 20080519	H01L31/0232	SIMS TYLER [US]	LENS SYSTEMS FOR SOLAR ENERGY SOLUTIONS
US2012312017 A1 20121213	US201213422353 20120316; US20090578554 20091013; US20080104915P 20081013; US20080196042P 20081013	F03G6/06; F02G1/043; F02G1/055; F24J2/10; F24J2/46	INFINIA CORP	Stirling Engine Systems, Apparatus and Methods

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US2012312293 A1 20121213	US201213527926 20120620; US20080178211 20080723; US20070952057P 20070726	F24J2/22; E04D13/18	VACHON CHRISTIAN [CA]	PERFORATED TRANSPARENT GLAZING FOR HEAT RECOVERY AND SOLAR AIR HEATING
US2012312296 A1 20121213	US201113155977 20110608	F24J2/52; F24J2/04	BOBCOCK POWER SERVICES INC [US]	SOLAR BOILER TUBE PANEL SUPPORTS
US2012318257 A1 20121220	US201213475456 20120518; US201161487559P 20110518	E04D13/18; F24J2/04	REVOLUTION ENERGY LLC [US]	SOLAR AIR THERMAL ENERGY SYSTEM AND ENERGY PURCHASE AGREEMENT METHOD
US2012318658 A1 20121220	WO2010KR01306 20100303	C02F1/14; B01D3/04	HONG JEONG HO [KR]	DEVICE FOR DISTILLING VARIOUS KINDS OF WATER BY USING SOLAR HEAT, AND DISTILLATION METHOD
US2012318757 A1 20121220	US201213354186 20120119; US20100848716 20100802; US20070826607 20070717; US20020116384 20020404; US20010910655 20010720	F24J2/52; E04D13/18; H01L31/048	UNIRAC INC [US]	SYSTEM FOR MOUNTING A PHOTOVOLTAIC MODULE TO A SURFACE
US2012325199 A1 20121227	US20090454542 20090519; US20080128113P 20080519	F24J2/34; F24J2/04; F24J2/08	SIMS TYLER [US]	Lens systems for solar energy solutions
US2012325290 A1 20121227	US201113169236 20110627	H01L31/058; F24J2/04; F24J2/38; G06F17/00	INTEGRATED POWER TECHNOLOGY CORP [US]	SOLAR COGENERATION VESSEL

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US2012325313 A1 20121227	US201113166769 20110622	H01L31/0232; F03G6/06; F24J2/04; F24J2/38	PALO ALTO RES CT INC [US]	Solar-Tower System With High-Focus-Accuracy Mirror Array
US2012325314 A1 20121227	US201113166775 20110622	H01L31/0232; F03G6/06; F24J2/04; F24J2/38	PALO ALTO RES CT INC [US]	Solar Power Collection Using High-Focus-Accuracy Mirror Array
US2012325761 A1 20121227	WO2009EP08593 20091202	F24J2/52	RENUSOL GMBH [DE]	MOUNTING SYSTEM FOR SOLAR PANELS, AND MOUNTING RAIL AND ANCHORING DEVICE THEREFOR
US8235034 B1 20120807	US20100804722 20100728	F24J2/40; B01D47/02; B60K16/00; F24J2/24; F24J2/42	FLAHERTY B MICHAEL [US]	Systems moving air through a conduit within a solar heat collector having overtemperature protection
US8251054 B1 20120828	US20100660566 20100301; US20080005462 20080325	F24J2/38	ASHCRAFT DERRELL G [US]	Device for collecting solar energy to produce heat
US8302596 B1 20121106	US20090604055 20091022	F24J2/46; C03C3/085; C03C3/091; C03C3/118	LOCKHEED CORP [US]	Robust glass to metal sealing joint
US8324496 B1 20121204	US20080315953 20081208; US20070005697P 20071207	F24J2/46	FIRST SOLAR INC [US]	Low-profile single-axis tracker with wind mitigation
US8327838 B1 20121211	US20080252866 20081016	F24J2/40	LOCKHEED CORP [US]	Solar parabolic trough mirror/receiver alignment
US8333185 B1 20121218	US20090626255 20091125; US20080119013P 20081201	F24J2/00	S P U D LTD [NZ]	Solar fluid heater and applications for the same

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US8333480 B1 20121218	US201113278290 20111021	G02B5/10; F24J2/10	MURTHA R MICHAEL [US]	Solar concentrating wedge
UY34242 A 20120928	ES20110031865 20111121	F24J2/12	GURADOOR S L [ES]	COLECTOR SOLAR DE CONCENTRACION PARABÉLICO
WO2012088679 A1 20120705	WO2010CN80451 20101229	F24J2/00; F24J2/08; F24J2/38	LIN CHIA-YEN [CN]	SOLAR ENERGY DEVICE
WO2012088770 A1 20120705	CN20102697408U 20101231	F24J2/46	HONEYWELL CHINA CO LTD [CN]; ZHANG KE [CN]; LEE HONGDA [CN]; WEI YONGKUI [CN]; CHEN WEIHAO [CN]	INTEGRATED WATER TANK AND WATER SUPPLY SYSTEM FOR SOLAR-POWERED WATER HEATER COMPRISING SAME
WO2012089311 A1 20120705	EP20100197200 20101228	C03C23/00; C03B29/08; F24J2/46	TVP SOLAR S A [CH]; PALMIERI VITTORIO [CH]	METHOD FOR PERFORMING A FRIT FIRING CYCLE IN THE MANUFACTURING OF A VACUUM SOLAR THERMAL PANEL
WO2012089869 A1 20120705	ES20100001652 20101230	F24J2/48; B05D3/02; F24J2/07	ABENGOA SOLAR NEW TECH SA [ES]; CLAVIJO RIVERA ERIKA PATRICIA [ES]; MARTINEZ SANZ NOELIA [ES]; FERNANDEZ QUERO VALERIO [ES]; BARRAGAN JIMENEZ JOSE [ES]	METHOD FOR IN SITU COATING A TOWER SOLAR RECEIVER
WO2012089870 A1 20120705	ES20100001653 20101230	F24J2/14; F24J2/52	EUROP DE CONSTRUCCIONES METALICAS S A [ES]; DOMINQUEZ ABASCAL JOSE [ES]; MEDINA ENCINA FERNANDO [ES]; MEDINA REGUERA FERNANDO [ES]; CARRASCO GIMENA MAXIMILIANO [ES]; PARRA FERNANDEZ-MOTA JOSE [ES]; GARRIDO DELGADO LUIS [ES]	SUPPORT MODULE FOR A SOLAR COLLECTOR HAVING A TRIANGULAR SUBSTRUCTURE

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WO2012089890 A1 20120705	ES20100032007 20101230	F24J2/54	ABENGOA SOLAR NEW TECH SA [ES]; ALBARRAN LIGERO JUSTO [ES]	STRUCTURAL SUPPORT AZIMUTH ROTATION DEVICE
WO2012090651 A1 20120705	JP20100293687 20101228	F24J2/46; F24J2/04; F24J2/06; F24J2/24	mitsubishi heavy ind ltd [JP]; MITSUDA KIMIHIKO [JP]; YAMAMOTO YASUHARU [JP]; OSADA TOSHIYUKI [JP]; TAGAWA MASASHI [JP]; KOBAYASHI KAZUTA [JP]	SOLAR LIGHT PHOTOCONCENTRATING HEAT COLLECTOR AND SOLAR LIGHT PHOTOCONCENTRATING HEAT COLLECTION SYSTEM
WO2012091475 A2 20120705	KR20100137769 20101229	H01L31/042; F24J2/38	MIN KWANG SIK [KR]	SOLAR TRACKING APPARATUS
WO2012092398 A1 20120705	US201061428203P 20101229	F24J2/10	COOLEARTH SOLAR [US]; DENTINGER PAUL [US]; PAGE JAMES [US]; LIPTAC JOHN [US]; MAESTAS STUART [US]	METHOD OF ENHANCING IRRADIANCE PROFILE FROM SOLAR CONCENTRATOR
WO2012093062 A2 20120712	DE201110008138 20110108	F24J2/20; F24J2/46; F24J2/50	TU BERGAKADEMIE FREIBERG [DE]; HESSENKEMPER HEIKO [DE]	THERMAL SOLAR FLAT COLLECTOR
WO2012093354 A2 20120712	US201161429288P 20110103	F24J2/20	BRIGHTSOURCE IND ISRAEL LTD [IL]; AFREMOV LEON [IL]	THERMAL STORAGE SYSTEM AND METHODS
WO2012093896 A2 20120712	KR20110001364 20110106; KR20120001958 20120106	F03D5/00; F03D1/04; F03D3/04; F03D9/00; F03D11/00; F24J2/00; H02K57/00	KIM DUK BO [KR]; KIM DA WON [KR]	POWER GENERATING DEVICE HAVING LOW-RESISTANCE WIND INDUCTIVE DEVICE, AND HYBRID GENERATING SYSTEM USING WIND POWER, SUNLIGHT, AND EXERCISE EQUIPMENT
WO2012094265 A2 20120712	US201161430308P 20110106; US201161430950P 20110107; US201161430334P 20110106	F24J2/10; G02B7/183	SOPOGY INC [US]; DOPP KIP H [US]; KIMURA DARREN T [US]; HINDMARSH TOMMY D [US]	COMPONENTS AND SOLAR ENERGY COLLECTION SYSTEM

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WO2012094698 A1 20120719	AU20110900093 20110112	E06B7/14; E06B7/16; F24J2/46	RHEEM AUSTRALIA PTY LTD [AU]; REARDON JOSEPH [AU]; CHAPMAN GREGORY [AU]; BOLITHO GLEN [AU]	A SOLAR COLLECTOR DRAINAGE ARRANGEMENT
WO2012094699 A1 20120719	AU20110900091 20110112	F16J15/14; E04B1/66; E04G21/14; E06B7/16	RHEEM AUSTRALIA PTY LTD [AU]; REARDON JOSEPH [AU]; CHAPMAN GREGORY [AU]; BOLITHO GLEN [AU]	A SEALING ARRANGEMENT FOR A SOLAR COLLECTOR ENCLOSURE
WO2012094700 A1 20120719	AU20110900092 20110112	F24J2/46; E06B3/677; E06B7/12; F24F13/22; F24J3/00; H05K7/20	RHEEM AUSTRALIA PTY LTD [AU]; REARDON JOSEPH [AU]; CHAPMAN GREGORY [AU]; BOLITHO GLEN [AU]	A SOLAR COLLECTOR VENTILATION ARRANGEMENT
WO2012094701 A1 20120719	AU20110900088 20110112	F24J2/46; F24J3/00	RHEEM AUSTRALIA PTY LTD [AU]; REARDON JOSEPH [AU]; CHAPMAN GREGORY [AU]; BOLITHO GLEN [AU]	A SOLAR COLLECTOR PANEL ATTACHMENT ARRANGEMENT
WO2012095886 A2 20120719	IT2011RM00004 20110110	F24J2/07; F16L27/00; F24J2/46	MECCANOTECNICA UMBRA S P A [IT]; ADVANCED RES CONSULTING S R L [IT]; D ORAZIO NUNZIO [IT]; ROLANDO ADRIANO [IT]	CONNECTIONS OF CONCENTRATING SOLAR POWER PLANTS
WO2012096715 A1 20120719	US201161433141P 20110114; US201161437509P 20110128	F24J2/54	SUNPOWER CORP [US]; COLE COREY [US]; SMITH ZACHARY ARDELL [US]; CIASULLI JOHN [US]; JENSEN SOREN [US]	SUPPORT FOR SOLAR ENERGY COLLECTORS
WO2012096998 A2 20120719	US201161460830P 20110110; US201161508596P 20110715	H01L31/042; F24J2/52	NUVOSUN INC [US]; PEARCE DAVID B [US]; HOLLARS DENNIS R [US]; CLEEREMAN ROBERT J [US]	PHOTOVOLTAIC MODULES AND MOUNTING SYSTEMS

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WO2012097260 A2 20120719	US201161432955P 20110114	F24J2/00; F24J2/06; G02B6/04	CEWA TECHNOLOGIES INC [US]; FANGMAN JOHN S [US]	FIBER-BASED TRANSMISSION SYSTEM FOR SOLAR ENERGY SYSTEM AND METHOD OF PROVIDING AND USING THE SAME
WO2012097844 A1 20120726	EP20110000352 20110118	E04C2/292; E04C2/52; F24J2/04; H01L35/00	TATA STEEL UK LTD [GB]; KHAN AHSAN [GB]	COMPOSITE BUILDING PANEL WITH THERMOELECTRIC GENERATOR MEANS
WO2012098565 A2 20120726	WO2011IT00014 20110118	F24J2/54	DIMENSIONE SOLARE S R L [IT]; DI FRANCESCO GIANLUCA [IT]	KINEMATIC MECHANISM FOR BI-AXIAL FOLLOWER ASSEMBLIES
WO2012098971 A1 20120726	JP20110008351 20110119	G02B5/08; B32B7/02; B32B9/00; F24J2/10; G02B1/10	KONICA MINOLTA OPTO INC [JP]; KUMAGAI TAKENORI [JP]	FILM MIRROR AND REFLECTING APPARATUS FOR SOLAR POWER GENERATION
WO2012100127 A2 20120726	US201113011185 20110121	F24J2/38	FIRST SOLAR INC [US]; HARTELIUS JOHN [US]	PHOTOVOLTAIC MODULE SUPPORT SYSTEM
WO2012100438 A1 20120802	WO2011CN70822 20110130	F03G6/06; C01B31/30; C09K5/14; F24J2/00; F24J2/07; F24J2/10; F24J2/54; F28C3/14; F28D20/00	CHEN YUQI [CN]	SOLAR HEAT STORAGE AND HIGH TEMPERATURE GAS GENERATING SYSTEM WITH WORKING MEDIUM BEING FLOWING SAND
WO2012100876 A2 20120802	US201161437170P 20110128; EP20110152497 20110128	F24J2/08; G02B3/08; H01L31/052	EVONIK ROEHM GMBH [DE]; ACKERMANN JOCHEN [DE]; NUMRICH UWE [DE]; LAFONTAINE GRANT B [US]; PASIERB MICHAEL THOMAS [US]; BAUMLER ANDREW J [US]	NEW SOLAR CONCENTRATION DEVICES
WO2012101055 A1 20120802	IT2011VR00013 20110124	F24J2/52; E04H17/10	DI GAETANO ALBERTO [IT]	ANCHORING DEVICE FOR PANEL SUPPORTING STRUCTURES

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WO2012101205 A1 20120802	DE20111003311 20110128; US201161437220P 20110128	B29D11/00; B29C35/16; B29C59/04; F24J2/08	EVONIK ROEHM GMBH [DE]; NUMRICH UWE [DE]; ARNDT THOMAS [DE]; BATTENHAUSEN PETER [DE]; ACKERMANN JOCHEN [DE]; OLBRICH MICHAEL [DE]	LONG-LIFE OPTICAL CONCENTRATOR BASED ON A SPECIFIC FRESNEL LENS PRODUCED FROM POLYMERIC MATERIALS FOR SOLAR POWER GENERATION
WO2012101486 A1 20120802	IT2011TO00072 20110128	E04D3/35; E04B7/22; F24J2/04; H01L31/048	VASS TECHNOLOGIES S R L [IT]; GIANOLIO GIUSEPPE [IT]	MODULAR ROOF SYSTEM FOR A BUILDING
WO2012101641 A1 20120802	US201161435819P 20110125	H01L31/052; E06B9/00; F24J2/04; F24J2/06; G02B5/04	PYTHAGORAS SOLAR INC [US]; FREEDMAN BARAK [IL]; SOVRAN IDO [IL]; BARUCHI ITAY [IL]	WINDOW WITH AT LEAST ONE PRISM UNIT COMPRISING TWO PRISMS AND A PHOTO VOLTAIC CELL
WO2012103122 A2 20120802	US201161436189P 20110125	F24J2/52; E04D13/18; H01L31/042	SOLAR NATION INC [US]; TOMASO PAUL A [US]	ROOF MOUNT BALLAST SOLAR RACKING SYSTEM
WO2012104195 A1 20120809	DE201110003643 20110204	F24J2/52; H01L31/042; H01L31/048	SOLTECTURE GMBH [DE]; EICHHORN FELIX [DE]; KOCH STEFAN [DE]; KRUMBHOLZ STEFFEN [DE]	ROOF MODULE, ROOF MODULE SYSTEM AND METHOD FOR PRODUCING A ROOF MODULE SYSTEM
WO2012104423 A1 20120809	DE201110010320 20110203	H01L31/048; F24J2/52	CLAUDIA HEPPELTER & RUEDIGER HENNING GBR [DE]; HEPPELTER HANS PETER [DE]	ADJUSTABLE RETAINING ELEMENT FOR ROOFS HAVING A TRAPEZOIDAL PROFILE
WO2012104432 A1 20120809	DE20111003663 20110204	F24J2/54	ISOMORPH HOLDING AG [CH]; GRASSMANN MATTHIAS [DE]	USE OF A DEVICE FOR UTILIZING SOLAR ENERGY
WO2012104455 A1 20120809	ES20110030074U 20110131	F24J2/52; H01L31/042	PEREZ BERNABE JAVIER FRANCISCO [ES]	MODULAR STRUCTURE BEARING SOLAR PANELS
WO2012104559 A1 20120809	FR20110050900 20110204	F24J2/52	LR ETANCO ATEL [FR]; LEROY ALAIN [FR]; BLAINVILLE MATHIEU [FR]	LINKING DEVICE AND PART FOR ATTACHING A PROFILE SECTION TO A CORRUGATED COVERING

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WO2012104873 A1 20120809	IN2011DE00243 20110202	F24J2/46; F24J2/38	ASHISH KUMAR DEB [IN]	A CLEANING AND SUN TRACKING DEVICE FOR PANELS OR REFLECTORS IN A SOLAR SYSTEM
WO2012105134 A1 20120809	JP20110018421 20110131; JP20110234816 20111026	F24J2/42; E04B1/74; F24D5/10; F24F3/00; F24F5/00; F24J3/08	HAYASHI TORU [JP]	AIR-CONDITIONING SYSTEM UTILIZING UNDERGROUND HEAT AND SOLAR HEAT
WO2012105351 A1 20120809	JP20110018156 20110131	F24J2/10; F24J2/38; G02B5/08; G02B5/10; H01L31/052	KONICA MINOLTA OPTO INC [JP]; ISHIHARA HIDEYUKI [JP]; ISHIDA KAZUO [JP]	SOLAR LIGHT COLLECTING MIRROR, AND SOLAR THERMAL POWER GENERATION SYSTEM COMPRISING THE SOLAR LIGHT COLLECTING MIRROR
WO2012106041 A1 20120809	US201113021646 20110204	F24J2/52; H01L31/042	BOEING CO [US]; GRIP ROBERT ERIK [US]	SOLAR COLLECTOR FRAME
WO2012106813 A1 20120816	US201161440811P 20110208	F24J2/40	TRATHOM CORP [CA]; JACKMAN TOM [CA]	SOLAR THERMAL ENERGY CAPTURE SYSTEM WITH OVERHEATING PROTECTION AND COLD TEMPERATURE BYPASS
WO2012107104 A1 20120816	WO2011EP52055 20110211	F24J2/05; F24J2/06; F24J2/14; F24J2/54	SIEMENS CONCENTRATED SOLAR POWER LTD [IL]; SIEMENS AG [DE]; COHEN GABRIEL [IL]	SOLAR COLLECTION SYSTEM
WO2012107562 A1 20120816	DE20111000667 20110211; DE20111050332 20110513	F24J2/08; H01L31/052	BROESSEL ANDRE [ES]; PUETZ MICHAEL [DE]	ENERGY CONVERTOR/CONCENTRATOR SYSTEM
WO2012107605 A1 20120816	WO2011ES70090 20110211	F24J2/08; F24J2/54	CASELLES FORNES JAIME [ES]	DIRECT SOLAR-RADIATION COLLECTION AND CONCENTRATION ELEMENT AND PANEL

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WO2012107606 A1 20120816	WO2011ES70091 20110211	F24J2/06; G02B6/00	CASELLES FORNES JAIME [ES]	SOLAR-RADIATION CONDUCTION SYSTEM
WO2012107607 A1 20120816	WO2011ES70093 20110211	F24J2/10; F24J2/38	CASELLES FORNES JAIME [ES]	WAVELENGTH CLASSIFICATION AND RADIATION-INTENSITY REGULATING SYSTEM
WO2012107621 A1 20120816	ES20110030166 20110208	F24J2/54; H01L31/042	SOLUCIONES TECN INTEGRALES NORLAND S L [ES]; ACHAERANDIO FERNANDEZ ALVARO [ES]; ERREA ARGAIZ JAVIER [ES]	POSITIONING DEVICE FOR PARABOLIC TROUGH COLLECTORS AND PARABOLIC TROUGH COLLECTOR INCORPORATING SAID POSITIONING DEVICE
WO2012107711 A2 20120816	GB20110002085 20110207	F24J2/52; F24J2/46; H01L31/048	SOLAR ROOF PANEL INVEST LTD [GB]; SALAM LOEY [GB]	SOLAR PANEL APPARATUS AND ASSEMBLIES
WO2012107813 A2 20120816	GB20110002347 20110210	F24J2/54	ETERNEGY LTD [IL]; DROR EYAL [IL]	POSITIONING SYSTEM
WO2012107834 A1 20120816	IT2011MI00204 20110211	C09K5/12; F24J2/14; F24J2/46; F28D20/00	ENI SPA [IT]; LAZZARI CARLA [IT]; PASSERA TAMARA [IT]; CARNELLI LINO [IT]	MIXTURE OF INORGANIC NITRATE SALTS
WO2012108026 A1 20120816	WO2011JP52825 20110210	F24J2/42; F22B3/00; F24H1/00	KOGA MASAHIKO [JP]	SOLAR HEAT DEVICE
WO2012108612 A1 20120816	KR20110010736 20110207	H01L31/042; F24J2/38	CHOI JINSOO [KR]	SOLAR CELL POWER GENERATING DEVICE
WO2012108752 A1 20120816	MX20110002035 20110211	F24D17/00; F24J2/05; F24J2/34; F24J2/44	FRICAECO AMERICA S A DE C V [MX]; MUNOZ RUIZ ANDRES [MX]	SOLAR HEATER FOR LIQUIDS
WO2012109706 A1 20120823	AU20110900526 20110217; AU20110244918 20111102	F24J2/54; F24J2/38	SHAW IAN HENRY [AU]	A SOLAR TRACKING SYSTEM

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WO2012110332 A1 20120823	DE201110004265 20110217	F24J2/07; F22B1/00; F24J2/10; F24J2/14	SIEMENS AG [DE]; BIRNBAUM JUERGEN [DE]; BRODESSER JOACHIM [DE]; BRUECKNER JAN [DE]; EFFERT MARTIN [DE]; FRANKE JOACHIM [DE]; SCHLUND GERHARD [DE]; SCHULZE TOBIAS [DE]; THOMAS FRANK [DE]; ZIMMERMANN GERHARD [DE]	SOLAR COLLECTOR STRING FOR A CONTINUOUS-FLOW SOLAR THERMAL STEAM GENERATOR
WO2012110341 A1 20120823	DE201110004266 20110217	F24J2/26; F22B1/00	SIEMENS AG [DE]; BIRNBAUM JUERGEN [DE]; BRODESSER JOACHIM [DE]; BRUECKNER JAN [DE]; EFFERT MARTIN [DE]; FRANKE JOACHIM [DE]; SCHLUND GERHARD [DE]; SCHULZE TOBIAS [DE]; THOMAS FRANK [DE]; ZIMMERMANN GERHARD [DE]	SOLAR COLLECTOR COMPRISING INTERNALLY RIBBED TUBES
WO2012110506 A1 20120823	DE20111000707 20110214	E04B1/24; E04B1/34; E04B1/342; E04C3/06; E04C3/32; E04H1/12; E04H6/02; F24J2/04	BOETTLE STEFAN [DE]; LUICK ROLAND [DE]	ROOF, IN PARTICULAR GAS STATION ROOF
WO2012111008 A1 20120823	US201161442319P 20110214	F24J2/14; F24J2/52; F24J2/54	SHIKUN & BINUI RENEWABLE ENERGY LTD [IL]; COHEN GILBERT [US]	SUPPORT STRUCTURE FOR SOLAR CONCENTRATOR
WO2012112036 A2 20120823	NL20112006202 20110215	H01L31/048; B29C70/08; B29C70/44; B63B22/16; F24J2/52	RAPSPICE [NL]; VAN DEN BERG LENNERT FRANS [NL]	A SOLAR CELL LAMINATE COMPRISING CRYSTALLINE SILICON PHOTO-ELECTRICITY DEVICE AND PROCESS TO MAKE SUCH A LAMINATE

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WO2012112881 A2 20120823	US201161443798P 20110217; US201161567835P 20111207	H01L31/042; F16M11/00; F24J2/52	ATLANTECH SOLAR INC [US]; TURZIANO CARL L [US]; CONTRATA JR RICHARD C [US]	SOLAR PANEL RACKING SYSTEM WITH INTEGRATED GROUNDING BAR RAIL
WO2012113087 A1 20120830	CH20110000307 20110222	F24J2/24; B21C23/14; B23P15/26; F28F3/12; F28F9/18; F28F21/08; H01L31/058	SCHNEIDER WALTER [CH]	FLAT HEAT EXCHANGER
WO2012113097 A1 20120830	WO2011CN00282 20110223	F24J2/24; F28D1/06; F28F1/04; F28F1/26	CHEN WEN-HAO [CN]	SOLAR HEAT COLLECTING PLATE STRUCTURE WITH PLASTICITY
WO2012113195 A1 20120830	CN2011145294 20110225	H01L31/052; F24J2/12; F24J2/38	UNIV ZHEJIANG [CN]; NI MINGJIANG [CN]; XIAO GANG [CN]; LUO ZHONGYANG [CN]; CEN KEFA [CN]; GAO XIANG [CN]; FANG MENGXIANG [CN]; ZHOU JINSONG [CN]; SHI ZHENGLUN [CN]; CHEN LEMING [CN]; WANG QINHUI [CN]; WANG SHURONG [CN]; YU CHUNJIANG [CN]	SOLAR SECONDARY LIGHT CONCENTRATING FREQUENCY DIVIDING METHOD AND APPARATUS THEREOF BASED ON DISH- LIKE LIGHT CONCENTRATION
WO2012113478 A1 20120830	TR20110001718 20110222	F24J2/07	CAPAN RAHMI OGUZ [TR]	SUPPORT MECHANISM FOR THERMAL RECEIVERS IN THE SOLAR TROUGH SYSTEMS
WO2012113968 A1 20120830	WO2011FI50160 20110222	F24J2/48; C23C14/06; C23C14/56; C23C16/30; F24J2/46	SAVO SOLAR OY [FI]; ANDRITSCHKY MARTIN [PT]; PISCHOW KAJ A [FI]; REBOUTA LUIS MANUEL FERNANDES [PT]	METHOD FOR MANUFACTURING THERMAL ABSORBER FOR SOLAR THERMAL COLLECTOR
WO2012114069 A2 20120830	GB20110002980 20110222	F24J2/24	BOOKER COLIN EDWARD [GB]; GALLAGHER HUGH KENNETH [GB]	SOLAR THERMAL COLLECTOR.

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WO2012114366 A1 20120830	IT2011RM00088 20110225	H01J45/00; F24J2/05; F24J2/07	ADRIANI MASSIMO [IT]	THERMIONIC SOLAR CONVERTER
WO2012115404 A2 20120830	KR20110015434 20110222	H01L31/042; E04D13/18; F24J2/52	LG ELECTRONICS INC [KR]; JUN JINHYUNG [KR]; AHN JINHYUNG [KR]; LEE SUNGEUN [KR]; SON JEONGHUN [KR]	FRAME SYSTEM FOR SOLAR CELL MODULE
WO2012115544 A1 20120830	WO2011SE50193 20110221	F24J2/52	SAPA PROFILER AB [SE]; SCHAGERLIND JOHAN [SE]; ERIKSSON GOERAN [SE]	CONSTRUCTION FRAME AND METHOD FOR MOUNTING OF SOLAR MODULES TO A SUB-STRUCTURE
WO2012115942 A1 20120830	US201161444858P 20110221	F24J2/52; F16M11/00; H01L31/042	SOLAR NATION INC [US]; TOMASO PAUL A [US]	PENETRATED GROUND MOUNT SOLAR RACKING SYSTEM
WO2012116102 A2 20120830	US201161445181P 20110222	F24J2/38; F24J2/40; F24J2/54	SUNPOWER CORP [US]; ALMY CHARLES [US]; BARTON NICHOLAS [US]	SOLAR TRACKER DRIVE
WO2012116341 A1 20120830	US201161446130P 20110224	F24J2/00	PEAK FLUX INC [US]; STONE BRADLEY R [US]; STONE STEVEN J [US]; HOEKSTRA KRAIG H L [US]; WYATT CAMERON M [US]	OPTICAL CONCENTRATOR SYSTEMS, DEVICES, AND METHODS
WO2012116786 A2 20120907	DE201110012600 20110228	H01L31/042	GEHRLICHER SOLAR AG [DE]; DENGGB SEBASTIAN [DE]; RASPINI ANDREAS [DE]; NAEBAUER ANTON [DE]; TRITSCH TOBIAS [DE]	FASTENING STRUCTURE FOR SOLAR MODULES ON A FACADE
WO2012117123 A1 20120907	WO2011ES70137 20110303	F24J2/38; F24J2/54; G05D3/12	APLICACIONES RENOVABLES INTEGRADAS S L [ES]; LOPEZ GARRIDO JULIAN [ES]; MURCIA PACHECO EMILIO [ES]; INESTA GONZALEZ DANIEL [ES]; MURCIA PACHECO PEDRO JOSE [ES]	HELIOSTAT WITH A DRIVE SHAFT POINTING AT THE TARGET, REFLECTION SENSOR AND A CLOSED-LOOP CONTROL SYSTEM

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WO2012117130 A1 20120907	ES20110000234 20110301	F24J2/06; F24J2/07; F24J2/40	UNIV MADRID POLITECNICA [ES]; UNIV NAC DE EDUCATION A DISTANCIA [ES]; MARTINEZ-VAL PENALOSA JOSE MARIA [ES]; VALDES DEL FRESNO MANUEL [ES]; ABANADES VELASCO ALBERTO [ES]; AMENGUAL MATAS RAFAEL RUBEN [ES]; PIERA CARRETE MIREIA [ES]; MONTES PITA MARIA JOSE	SOLAR RECEIVER WITH AN ADJUSTABLE WIDTH AND METHOD FOR ADJUSTING SAID WIDTH
WO2012117142 A1 20120907	ES20110030263 20110228	F24J2/54	ABENGOA SOLAR NEW TECH SA [ES]; CERON GARCIA FRANCISCO JOSE [ES]; CORNAGO RAMIREZ EMILIANO [ES]	SOLAR TRACKER
WO2012117698 A1 20120907	JP20110046622 20110303	H01L31/042; F24J2/00	SANYO ELECTRIC CO [JP]; YAGIURA TOSHIO [JP]	PHOTOVOLTAIC CELL MODULE
WO2012119162 A1 20120913	AT20110000304 20110307	H01L31/048; F24J2/52	INOVA LISEC TECHNOLOGIEZENTRUM [AT]; MADER LEOPOLD [AT]	ARRANGEMENT OF PHOTOVOLTAIC MODULES
WO2012119182 A1 20120913	AU20110900842 20110309	F24J2/00; B01D1/00; B01D3/00; C02F1/14	LIOW JONATHAN [AU]	SOLAR EVAPORATION SYSTEM
WO2012119528 A1 20120913	CN2011156194 20110309	F24J2/10; F24J2/38; F24J2/46	LIU YANG [CN]	FRESNEL COLLECTOR APPARATUS
WO2012119545 A1 20120913	CN20111053276 20110307	F24J2/38; F24J2/54; G02B7/182; G02B7/198; G05D3/00	SHANGHAI PARA SOL ENERGY CO LTD [CN]; CHEN YUDA [CN]; YOU SILIANG [CN]	HELIOSTAT DEVICE AND CORRESPONDING HELIOSTAT SYSTEM
WO2012119604 A1 20120913	DK20110070117 20110310	E06B3/32; E06B9/02; E06B9/26; F04D25/14; F24J2/24	VENETIAN SOLAR APS [DK]; THIELEMANN STEFAN [DK]	A WINDOW SHUTTER UNIT FOR EXTERNAL MOUNTING ON A BUILDING

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WO2012119731 A1 20120913	DE201110013210 20110304	B23K26/10; B23K26/28; C03B23/207; F24J2/05	HANNOVER LASER ZENTRUM [DE]; RICHTER LARS [DE]; GEBAUER HENDRIK [DE]	DEVICE AND METHOD FOR MACHINING AT LEAST ONE WORKPIECE
WO2012119958 A1 20120913	US201161449145P 20110304; US201161449856P 20110307	C10G2/00; B01D53/86; B01J23/06; B01J23/72; C07C29/151; C25B1/04; F24J2/00; H01L31/058	ANTECY BV [NL]; O'CONNOR PAUL [NL]; DAAMEN SJOERD [ES]	CATALYTIC PROCESS FOR CONVERTING CARBON DIOXIDE TO A LIQUID FUEL OR PLATFORM CHEMICAL
WO2012120015 A2 20120913	US201161449765P 20110307	F24J2/10; F24J2/13; F24J2/18	SIEMENS CONCENTRATED SOLAR POWER LTD [IL]; SIEMENS AG [DE]; SAGIE DAN [IL]	BEAM DOWN MIRROR, SYSTEM WITH THE BEAM DOWN MIRROR AND USE OF THE SYSTEM
WO2012120016 A1 20120913	US201161449788P 20110307	F24J2/07; F24J2/08; F24J2/13; F24J2/18	SIEMENS CONCENTRATED SOLAR POWER LTD [IL]; SIEMENS AG [DE]; SAGIE DAN [IL]	RECEIVER FOR A BEAM DOWN POWER PLANT, SYSTEM WITH THE RECEIVER AND USE OF THE SYSTEM
WO2012120208 A2 20120913	FR20110000715 20110310	H01L31/048; E04D3/40; E04D13/04; E04D13/18; F24J2/46; H01L31/042	CENTURYWATT [FR]; FIORITI PAOLO [FR]	COVER FOR A ROOF PANEL PROVIDED WITH STANDARD LAMINATED OR DOUBLE-GLASS PHOTOVOLTAIC PANELS
WO2012120512 A1 20120913	US201161451157P 20110310	F24J2/40; F24J2/42	DZSOLAR LTD [GB]; ZAMIR OFRI [IL]	SOLAR ENERGY COLLECTION SYSTEM
WO2012120556 A1 20120913	WO2011JP01305 20110307	F03G6/00; F01K23/10; F01K25/10; F22B3/00; F24J2/42	HITACHI LTD [JP]; YOSHIDA TAKUYA [JP]; NAGAFUCHI NAOYUKI [JP]; ONO HIDEKI [JP]	SOLAR HEAT STEAM CYCLE SYSTEM
WO2012121712 A1 20120913	WO2011US27601 20110308	F24J2/12	ABENGOA SOLAR INC [US]; MARCOTTE PATRICK [US]; MAY EDMUND KENNETH [US]	TROUGH SOLAR COLLECTOR MODULE

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WO2012122112 A1 20120913	US201113041344 20110304	F24J2/52; F16M11/00; H01L31/042	RAWLINGS LYLE K [US]	SYSTEM AND METHOD FOR PASSIVELY SECURING SOLAR PANELS TO FLAT SURFACE
WO2012122507 A2 20120913	US201113064198 20110309	H01L31/042; F24J2/38; F24J2/52; H02N6/00	ADVANCED TECHNOLOGY & RES CORP [US]; LUNDAHL ROBERT D [US]; CUTLIP ROBERT W [US]; FINCH WILLIAM [US]	LOW COST SUN TRACKING POLE MOUNT FOR SOLAR PANELS
WO2012122509 A2 20120913	US201113064197 20110309	F24J2/38; F24J2/40	ADVANCED TECHNOLOGY & RES CORP [US]; LUNDAHL ROBERT D [US]; CUTLIP ROBERT W [US]; SELZLER MICHAEL [US]	SUN TRACKING CONTROL SYSTEM FOR SOLAR COLLECTION DEVICES
WO2012122541 A2 20120913	US201261593744P 20120201; US201161450928P 20110309	F24J2/00; F24J2/06; F24J2/10; F24J2/38	CALIFORNIA INST OF TECHN [US]; CWIK THOMAS A [US]; DIMOTAKIS PAUL E [US]; HOPPE DANIEL J [US]	BEAM-FORMING CONCENTRATING SOLAR THERMAL ARRAY POWER SYSTEMS
WO2012123038 A1 20120920	DE201110005730 20110317; DE201110005736 20110317	F24J2/10	ARDENNE ANLAGENTECH GMBH [DE]; KOECKERT CHRISTOPH [DE]; BERENDT MARKUS [DE]	REFLECTION LAYER SYSTEM FOR SOLAR APPLICATIONS AND METHOD FOR THE PRODUCTION THEREOF
WO2012123433 A1 20120920	FR20110052057 20110314	F24J2/07; F24J2/16; F24J2/38; F24J2/40; F24J2/46; G01S3/786	COMMISSARIAT ENERGIE ATOMIQUE [FR]; COUTURIER RAPHAEL [FR]; BRUCH ARNAUD [FR]	RECEIVER MODULE FOR SOLAR POWER STATION WITH IN-BUILT THERMAL MONITORING
WO2012123853 A1 20120920	ZA20110001869 20110311	F22B1/02; F22B1/06; F24J2/07; F28D20/02	UNIV STELLENBOSCH [ZA]; KOTZE JOHANNES PAULUS [ZA]	THERMAL STORAGE FACILITY ESPECIALLY SUITABLE FOR CONCENTRATING SOLAR POWER INSTALLATIONS
WO2012123975 A2 20120920	WO2011IT00073 20110314	F24J2/54	D G ENERGY SRL [IT]; MURA SILVANO [IT]	PHOTOVOLTAIC PANEL PROVIDED WITH ORIENTABLE SOLAR-TRACKING PHOTOVOLTAIC CELLS

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WO2012123979 A2 20120920	IT2011RM00117 20110314; IT2011RM00614 20111121	F24J2/46; A46B13/00; A46B13/02; B08B1/00; B08B1/04; B08B3/04	PREZIUSO BENVENUTO MCHELE [IT]	SOLAR PANEL CLEANING APPARATUS
WO2012125283 A1 20120920	US201161451670P 20110311	F24J2/10; F24J2/16; G02B5/08	3M INNOVATIVE PROPERTIES CO [US]; MOLNAR ATTILA [US]; HART DUANE M [US]; COSGROVE DYLAN T [US]; EATON JOSEPH H [US]	DURABLE REFLECTIVE LAMINATES
WO2012125446 A2 20120920	US201161451877P 20110311	F24J2/00; F24J2/06; H01L31/042	GMZ ENERGY INC [US]; BENT AARON [US]; POUDEL BED [US]; CAYLOR JAMES CHRISTOPHER [US]; ABRECHT STEFAN [DE]	SOLAR ELECTRICAL AND THERMAL GENERATORS WITH CURVED REFLECTORS
WO2012125705 A2 20120920	US201113048054 20110315	F24J2/46; B23P19/04; F16M13/00; F24J2/52	SUNEDISON LLC [US]; WALLGREN LINUS ERIC [US]	COLLAPSIBLE SOLAR MODULE SUPPORT SYSTEM AND METHOD FOR ASSEMBLING THE SAME
WO2012125748 A2 20120920	US201161465165P 20110314; US201161562962P 20111122	F24J2/52	THERMATA INC [US]; JOHNSON RICHARD L [US]; HINES BRADEN E [US]	OPTICAL PROXY FOR SENSING AND POINTING OF LIGHT SOURCES
WO2012125751 A2 20120920	US201161465171P 20110314; US201161465165P 20110314; US201161465216P 20110316	F24J2/52	THERMATA INC [US]; HINES BRADEN E [US]; JOHNSON RICHARD L [US]	APPARATUS AND METHOD FOR POINTING LIGHT SOURCES
WO2012125849 A2 20120920	US201113050887 20110317	F25D23/00	SOLARPATH INC [US]; KAPANY NARINDER SINGH [US]; HINTZKE MARK A [US]	SOLAR WINDOW AND SOLAR WALL FOR COOLING AN ENVIRONMENT

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WO2012125974 A1 20120920	US201161453422P 20110316	F28D20/00	SEASONAL ENERGY INC [US]; GODTLAND ERIC JOSEPH [US]; UDELL KENT STEWART [US]	SYSTEM AND METHOD FOR STORING SEASONAL ENVIRONMENTAL ENERGY
WO2012126559 A2 20120927	ES20110030389 20110318	F24J2/46	SENER ING & SIST [ES]; VICENTE PENA CARLOS JAVIER [ES]; MASSABE MUNOZ FRANCESC [ES]; VILLA NAVARRO JOSE RAMON [ES]; GARRIDO ORTIZ SOLEDAD [ES]	CLEANING SYSTEM FOR CLEANING PARABOLIC TROUGH COLLECTOR PLANTS AND CLEANING METHOD USING SAID SYSTEM
WO2012128227 A1 20120927	JP20110064449 20110323	G02B5/08; F24J2/10	ASAHI GLASS CO LTD [JP]; MITSUI YOKO [JP]; KAWANAMI SOHEI [JP]; YAMADA KAZUO [JP]; TAKEDA SATOSHI [JP]; KAMEYAMA YASUYUKI [JP]	REFLECTIVE MIRROR
WO2012128541 A2 20120927	KR20110024722 20110321; KR20110053352 20110602; KR20110071361 20110719	B63B21/50; B63B35/00; B63B38/00; F24J2/38; H01L31/042	WOO DO YOUNG [KR]	DEVICE AND METHOD FOR CONTROLLING FLOATING STRUCTURE
WO2012128877 A2 20120927	US201161445518P 20110222	F24J2/00; F24J2/06; F24J2/10; F24J2/52	GLASSPOINT SOLAR INC [US]; VON BEHRENS PETER EMERY [US]	CONCENTRATING SOLAR POWER WITH GLASSHOUSES
WO2012129370 A2 20120927	US201161467245P 20110324; US201213425916 20120321	H01L31/042; F16M11/00; F24J2/52	RIVERA ANGEL [US]; MAYER STANLEY [US]; SOLAR MOUNTING SOLUTIONS LLC [US]	SOLAR PANELS GROUNDING CLIP
WO2012129456 A2 20120927	US201161466878P 20110323	F24J2/00; E06B7/00; F24J2/52; H01L31/045	WILSON ROGER D [US]	WINDOW AS SOLAR HVAC PORTAL

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WO2012130283 A2 20121004	WO2011EP54810 20110329	F24J2/48; F24J2/05; F24J2/07; F24J2/46	SIEMENS AG [DE]; SIEMENS CONCENTRATED SOLAR POWER LTD [IL]; ARAN HAGAI [IL]; BARKAI MENASHE [IL]; COHEN GABRIEL [IL]; EZER RAMI [IL]; LIPMAN ELI [IL]	HEAT RECEIVER TUBE, METHOD FOR MANUFACTURING THE HEAT RECEIVER TUBE, PARABOLIC TROUGH COLLECTOR WITH THE RECEIVER TUBE AND USE OF THE PARABOLIC TROUGH COLLECTOR
WO2012130429 A2 20121004	DE201120004424U 20110325	F24J2/20; H01L31/058	REIMANN PETER [DE]	DEVICE AND METHOD FOR CONVERTING SOLAR RADIATION ENERGY TO ELECTRICAL POWER AND/OR TO HEAT
WO2012131542 A1 20121004	EP20110159880 20110325	F24J2/52; E04C3/06	MILBORO AG [LI]; LECHTHALER ANDREAS [AT]	FOUNDATION ARRANGEMENT A METHOD FOR ERECTING A FOUNDATION IN AN UNDERLYING SURFACE
WO2012131543 A1 20121004	IT2011BO00155 20110325	F24J2/38; F24J2/52	SCIENZA IND TECNOLOGIA S R L [IT]; ROSA-CLOT PAOLO [IT]; ROSA-CLOT MARCO [IT]; CAZZANIGA RANIERO [IT]	APPARATUS AND METHOD FOR GENERATING ELECTRICITY USING PHOTOVOLTAIC PANELS.
WO2012131741 A1 20121004	IT2011TO00259 20110325	F24J2/38; F24J2/54	TORINO POLITECNICO [IT]; MAURO STEFANO [IT]; SCARZELLA CRISTINA [IT]; BATEZZATO ALESSADRO [IT]	SUN FOLLOWER WITH PARALLEL KINEMATICS AND PROCESS FOR CONTROLLING SUCH FOLLOWER
WO2012131833 A1 20121004	JP20110071018 20110328	G02B5/22; F24J2/48	UNIV SHINSHU [JP]; NANO FRONTIER TECHNOLOGY CO LTD [JP]; TSUDA KAORU [JP]; MURAKAMI YASUSHI [JP]; SHIMIZU WATARU [JP]	LIGHT-ABSORBING FILM, PRODUCTION PROCESS THEREFOR, AND SOLAR THERMAL COLLECTOR USING SAME

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WO2012131860 A1 20121004	WO2011JP57487 20110327	F22B3/00; F01K3/00; F01K17/00; F01K19/00; F01K21/00; F01K25/00; F02C1/00; F22B1/00; F24J2/42	TAIYO ENERGY KENKYUSHO INC [JP]; SATO KENJI [JP]	DEVICE USING CONSTANT VOLUME HEATER
WO2012133135 A1 20121004	JP20110068549 20110325	F24J2/38; F03G6/00; F24J2/10; F24J2/24	mitsubishi heavy ind ltd [JP]; AOYAMA KUNIAKI [JP]; KOBAYASHI KAZUTA [JP]; TAGAWA MASASHI [JP]; SUGIMOTO SHIRO [JP]; SASAKI SHUHEI [JP]	SOLAR THERMAL POWER GENERATION APPARATUS, METHOD FOR CONTROLLING HELIOSTAT INCLUDED IN SOLAR THERMAL POWER GENERATION APPARATUS, AND CONTROL APPARATUS EXECUTING SAID METHOD
WO2012133517 A1 20121004	JP20110077391 20110331	G02B5/08; C09D4/02; C09D183/04; F24J2/10; G02B1/10; G02B5/22	KONICA MINOLTA ADVANCED LAYERS [JP]; KUMAGAI TAKENORI [JP]	MIRROR AND REFLECTIVE DEVICE FOR GENERATING SOLAR POWER
WO2012133991 A1 20121004	KR20110028858 20110330; KR20110028859 20110330	H01L31/042; F24J2/52	ENERSOLAR CO LTD [KR]; PARK GI JU [KR]; PARK DOO YEOL [KR]	SOLAR CELL MODULE SUPPORT STRUCTURE
WO2012135962 A1 20121011	US201113082680 20110408	F24J2/05; F24J2/20; F24J2/24; F24J2/38	MACKAY CAMERON RICHARD [CA]; KELSEY HARLEY EDWARD [CA]	SOLAR AIR HEATING DEVICE
WO2012136086 A2 20121011	CN2011184048 20110402	F28D20/00; C09K5/14; F24J2/34; F28D17/00	LIU YANG [CN]	SOLID THERMAL STORAGE STRUCTURE AND PROCESSING METHOD THEREOF
WO2012136278 A1 20121011	IT2011PD00102 20110406	F24J2/54	ESPE SUNPARC S R L [IT]; TONIATO SERGIO [IT]	STRUCTURE OF A SUN- TRACKING PHOTOVOLTAIC PANEL SYSTEM

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WO2012136800 A1 20121011	FR20110053000 20110406	F23D14/18; F23D99/00; F24J2/07; H01L31/042	COMMISSARIAT ENERGIE ATOMIQUE [FR]; OLLIER EMMANUEL [FR]	EMITTER FOR A THERMOPHOTOVOLTAIC SYSTEM AND THERMOPHOTOVOLTAIC SYSTEM COMPRISING AT LEAST ONE SUCH EMITTER
WO2012136850 A1 20121011	DE201110107393 20110707; DE201110016461 20110408	F24J2/50; F24J2/04; F24J2/20; F24J2/40; F24J2/46; H01L31/058	SOLVIS GMBH & CO KG [DE]; JAEGER HELMUT [DE]; WENDKER KAI [DE]	SOLAR COLLECTOR HAVING A TRANSPARENT COVER
WO2012138164 A2 20121011	KR20110032939 20110408	E04B1/343; E04D13/18; F24J2/52; H01L31/042	HOLE IN ONE CO LTD [KR]; KIM KI-YOUNG [KR]	BUILDING HAVING OUTER WALL WITH SOLAR CELLS
WO2012139169 A1 20121018	AU20110901411 20110415	F24J2/52; F24J2/38	HELIOSYSTEMS PTY LTD [AU]; LEHMANN ALEX GEOFFREY [AU]; ALLENSPACH PETER RICHARD [AU]	TOROIDAL HELIOSTAT
WO2012139998 A2 20121018	FR20110001189 20110415	F24J2/52; F24J2/46; H01L31/042	CIEL ET TERRE [FR]; VELOSO MANUEL [FR]; GAVEAU ALEXIS [FR]	PANEL SUPPORTING DEVICE
WO2012140281 A1 20121018	WO2011ES70252 20110413	F03G6/06; F24J2/16; F24J2/38; F24J2/40; F24J2/54	CT TECNOLOGICO AVANZADO DE EN RENOVABLES DE ANDALUCIA CTAER [ES]; UNIV SEVILLA [ES]; RUIZ HERNANDEZ VALERIANO [ES]; LILLO BRAVO ISIDORO [ES]; SILVA PEREZ MANUEL ANTONIO [ES]; LOBO MARQUEZ GONZALO [ES]; DIAZ ANDRADES FRANCISCO [ES]; DEL POZO POLIDORO ENRIQ	VARIABLE GEOMETRY SYSTEM FOR CAPTURING THERMOSOLAR ENERGY

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WO2012140285 A1 20121018	WO2011ES70268 20110415	G01B11/30; F24J2/14; G01M11/02	ALBIASA COLLECTOR TROUGH S L [ES]; OZAEZ MUNOZ EMMANUEL [ES]; ALBISU TRISTAN JON [ES]	METHOD FOR CHECKING THE GEOMETRY OF CYLINDER- PARABOLIC SOLAR COLLECTORS AND SYSTEM FOR CARRYING OUT SAID METHOD
WO2012140662 A1 20121018	WO2011IN00251 20110413	F24J2/20; F24J2/48	PURSHOTTAM PATEL MADHUSUDAN [IN]; MCKINNEY HINA [US]	SOLAR WATER HEATER COLLECTOR
WO2012141155 A1 20121018	JP20110089078 20110413	G02B5/08; C09D7/12; C09D127/12; F24J2/10	ASAHI GLASS CO LTD [JP]; SAITO SHUN [JP]; MASUDA SHOU [JP]; NISHIO HIROSHI [JP]; AIKAWA MASATAKA [JP]	REFLECTING MIRROR FOR SOLAR HEAT COLLECTION AND METHOD FOR MANUFACTURING SAME
WO2012141312 A1 20121018	JP20110089226 20110413	F24J2/46; F16L59/06	YAZAKI CORP [JP]; AISO KAZUHIRO; MATSUMOTO TOORU	SOLAR HEAT COLLECTOR
WO2012142632 A1 20121026	AT20110000544 20110418	F24J2/20	INOVA LISEC TECHNOLOGIEZENTRUM [AT]; MADER LEOPOLD [AT]	SOLAR COLLECTOR
WO2012142969 A1 20121026	CN20111100861 20110421	F24J2/18; F24J2/40; F24J2/52; G02B7/198; G02B19/00	SHANGHAI PARA SOL ENERGY CO LTD [CN]; YOU SILIANG [CN]; CHEN YUDA [CN]	SECONDARY LIGHT CONCENTRATION DEVICE AND SYSTEM AS WELL AS SOLAR THERMAL POWER GENERATION SYSTEM PROVIDED WITH THE SYSTEM
WO2012143006 A1 20121026	DE201120000969U 20110421	H01L31/042; H01L31/048	THOMA HANS [DE]; THOMA PATRICK [DE]; FATH SOLAR GROUP HOLDING GMBH [DE]; FATH WIDO [DE]; FATH MIRKO [DE]	SOLAR MODULE
WO2012143035 A1 20121026	WO2011EP56093 20110418	E04D3/36; E04B1/76; F24J2/52	FIBRECEM HOLDING AG [CH]; GERVASONI ARISTIDE [CH]	REINFORCING PLATE

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WO2012143811 A2 20121026	IT2011TO00354 20110421	F24J2/52; H01L31/042	THESAN S P A [IT]; BALBO DI VINADIO AIMONE [IT]	RAPID FASTENING SYSTEM, IN PARTICULAR FOR FASTENING SOLAR PHOTOVOLTAIC PANELS
WO2012145283 A1 20121026	US201161476301P 20110417	F24J2/00	BRIGHTSOURCE IND ISRAEL LTD [IL]; YISSUM RES DEV CO [IL]; MAGDASSI SHLOMO [IL]; MANDLER DANIEL [IL]; BAIDOSSI MUBEEN [IL]; ASSA RACHEL [IL]; CHERNIN OPHIR [IL]; BINYAMIN YANIV [IL]	SOLAR-RADIATION- ABSORBING FORMULATIONS AND RELATED APPARATUS AND METHODS
WO2012145513 A2 20121026	US201161476964P 20110419	F24J2/06	ABENGOA SOLAR INC [US]; EISINGER JOSEPH [US]; MANNING KERRY [US]; MARCOTTE PATRICK [US]; STEGALL NATHAN [US]	STRUCTURAL FRAME AND SOLAR COLLECTOR MODULE
WO2012145774 A2 20121101	AT20110000605 20110429		HELIOVIS AG [AT]; STOEGER ELMAR [AT]; MUNZENRIEDER GERALD [AT]	DEVICE FOR CONCENTRATING SOLAR RADIATION IN AN ABSORBER
WO2012148594 A2 20121101	US201113095115 20110427	F24J2/14; G02B5/10	MASSACHUSETTS INST TECHNOLOGY [US]; LI LIFANG [CN]; DUBOWSKY STEVEN [US]; KECSKEMETHY DARANYI ANDRES GEORGE [DE]; ARIF ABUL FAZAL M [SA]	PRECISION PARABOLIC MIRROR STRUCTURES
WO2012148905 A2 20121101	US201161478698P 20110425	F24J2/06; G02B5/00	MORNINGSIDE TECHNOLOGY VENTURES LTD [MC]; MSL TWO LTD [NZ]; BATES DAVID J [US]; HAYNES ANDREW L [NZ]; PARTRIDGE ASHTON C [NZ]	POLYMERIC SOLAR CONCENTRATOR AND SOLAR THERMAL DEVICE INCORPORATING SAME
WO2012149021 A2 20121101	US201161478600P 20110425	F24J2/52; H01L31/042	ASPECT SOLAR PTE LTD [SG]; GOEI ESMOND T [US]; CHIN YEN [SG]	REPLACEABLE SOLAR BULB ASSEMBLY FOR USE WITH A SOLAR RECEIVER ARRAY

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WO2012150356 A1 20121108	DE201110075357 20110505	F24J2/26; F28F1/12	BEHR GMBH & CO KG [DE]; GESKES PETER [DE]; PANTOW EBERHARD [DE]	SOLAR COLLECTOR FOR ABSORBING SUNLIGHT
WO2012150855 A2 20121108	MX20110004689 20110503	F24J2/05	GARZA CORDOBA ALEJANDRO [MX]; LEON ROVIRA NOEL [MX]; CASANOVA GONZALEZ RICARDO [MX]	IMPROVED REDUNDANT VACUUM HEAD FOR A SOLAR COLLECTOR
WO2012150876 A2 20121108	RU20110116409 20110426		AFANASJEV DENIS MIKHAYLOVICH [RU]	PLANAR LIGHT GUIDE
WO2012151215 A2 20121108	US201161523147P 20110812; US201161481670P 20110502	F24J2/00; F24J2/10; F24J2/24; H01L31/058	BOSTWICK PAUL ALAN [US]	HYBRID SOLAR SYSTEMS AND METHODS OF MANUFACTURING
WO2012151671 A1 20121115	US201161484404P 20110510	F24J2/52; F16B1/00; F16B5/00; F24J2/10	MAGNA INT INC [CA]; VENKATARATNAM SREEDHARAN [US]; MILLER MICHAEL M [US]; GABBIANELLI GIANFRANCO [US]	SUPPORT ARM ASSEMBLY
WO2012152143 A1 20121115	CN20111115731 20110506	G05D3/12; F24J2/38	CHENG DU ZHONG SHUN SCIENCE AND TECHNOLOGY DEV CO LTD [CN]; HUANG ZHONG [CN]	ADAPTIVE ROTARY DEVICE FOR SOLAR TRACKING AND WORKING METHOD THEREOF
WO2012152189 A1 20121115	CN20111118565 20110509; CN20112144531U 20110509	F24J2/05; F24J2/26; F24J2/46; F24J2/50	XIANGTAN LIYUAN ELECTRIC TOOLING CO LTD [CN]; XIANGTAN ELECTRIC MFG CO LTD [CN]; WANG SHUHUI [CN]; WANG BUGEN [CN]; DANG ANWANG [CN]; ZHU KAI [CN]; HUANG MIN [CN]	DISH-TYPE SOLAR THERMAL POWER GENERATION SYSTEM AND HEAT COLLECTOR THEREOF

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WO2012152194 A1 20121115	CN20111117644 20110506; CN201112143218U 20110506	F03G6/06; F23D14/46; F23D14/70; F24J2/05	XIANGTAN LIYUAN ELECTRIC TOOLING CO LTD [CN]; XIANGTAN ELECTRIC MFG CO LTD [CN]; WANG SHUHUI [CN]; WANG MINHUI [CN]; ZHANG YUELEI [CN]; WANG BUGEN [CN]; LIU SHUAI [CN]; TAN XINHUA [CN]; TANG YUFEN [CN]	APPARATUS FOR HEATING WORKING FLUID OF GAS TURBINE-SOLAR POWER GENERATION SYSTEM
WO2012152354 A1 20121115	DE201110101082 20110510	F24J2/14; F24J2/52; F24J2/54	FLABEG HOLDING GMBH [DE]; NIEMEYER ROLF [DE]	SOLAR COLLECTOR MODULE
WO2012152654 A1 20121115	DE201110101058 20110509	G01S3/783	OPHTHALMOSYSTEM GMBH [DE]; ALAVI FIROUZ [DE]	METHOD AND POSITION DETECTOR FOR DETERMINING THE RELATIVE POSITION OF A SOURCE OF RADIATION
WO2012153051 A2 20121115	FR20110053989 20110510	G02B5/08	SAINT GOBAIN [FR]; VERGER ARNAUD [FR]; SELLES OLIVIER [FR]	MIRROR COMPRISING A THIN SHEET OF GLASS
WO2012154438 A2 20121115	US201113102703 20110506	F24J2/02; F24J2/24	BABCOCK POWER SERVICES INC [US]; PLOTKIN ANDREW [US]; RANCATORE ROBERT [US]; TOUPIN KEVIN [US]; RICCI RUSSELL [US]	MODULAR SOLAR RECEIVER PANELS AND SOLAR BOILERS WITH MODULAR RECEIVER PANELS
WO2012155536 A1 20121122	CN20111148490 20110518	F03D9/02; F24J2/06; H02K7/18	YUAN HONG [CN]	WIND TURBINE
WO2012155850 A1 20121122	CN20111127907 20110517; CN20111128122 20110517; CN20111127524 20110517	E04D13/18; H01L31/052	XU ZHENGYUAN [CN]	SOLAR TILE
WO2012155872 A1 20121122	WO2011DE75109 20110513	F24J2/46; F24J2/52	CELLS SE Q [DE]; ILLING ROMY [DE]; WEGERT FRANK [DE]; SACHSE DIRK [DE]	SPACER FOR SOLAR MODULE STACKS, AND SOLAR MODULE STACK

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WO2012156624 A1 20121122	FR20110001513 20110518	F24J2/07; F24J2/10; F24J2/52	MEDITERRANEE CONST IND [FR]; LEHAUT CHRISTOPHE [FR]; CASSAR FLORENT [FR]	LINEAR CONCENTRATING SOLAR INSTALLATION AND SECONDARY REFLECTOR THAT CAN BE USED IN SUCH AN INSTALLATION
WO2012156813 A2 20121122	CO20110060765 20110518	F24J2/36; F24J2/24	FIGUEROA PABLO POCH [CO]	PORTABLE, FLEXIBLE AND ROLLABLE DEVICE FOR THE SOLAR HEATING AND STORAGE OF LIQUIDS AND/OR AIR
WO2012157824 A1 20121122	KR20110044868 20110513; KR20110081487 20110817	F24J2/38; F24J2/52; H01L31/042	EOM BOON DO [KR]	THREE-COLUMN TWO-SHAFT- TYPE SOLAR TRACKING APPARATUS USING CROSS- SHAPED CONNECTION PIECE AND DIRECT CYLINDER
WO2012159204 A1 20121129	US201161489518P 20110524	F24J2/52; E04C3/08; F16B5/00; F16S3/00	MAGNA INT INC [CA]; WERNER MARK F [CA]; SCHWARTZ STEVEN JOSEPH [US]; LALKA MICHAEL STEPHEN [US]	SUPPORT FRAME ASSEMBLY AND METHOD OF FORMING A SUPPORT FRAME ASSEMBLY
WO2012159611 A2 20121129	DE201110103304 20110526; DE201110115474 20111003		MACHTWISSEN DE AG [DE]; HOLZE CARSTEN [DE]	DEVICES FOR OPTIMIZING INDIVIDUAL SOLAR MODULES/COLLECTOR MODULES AND COMPOSITE COLLECTOR MODULE GROUPS AND STABILIZING THE OPERATION THEREOF AGAINST ENVIRONMENTAL INFLUENCES, ESPECIALLY WIND AND PARTICLES AND OBJECTS CARRIED ALONG BY THE WIND

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WO2012159612 A2 20121129	DE201120101436U 20110526	F24J2/52	EN SOLARSTROMSYSTEME GMBH [DE]; HAHN WALTER [DE]; HANNOTT JENS [DE]; MUELLER WOLFGANG [DE]; STROZYK HELGE [DE]	HANGER BOLT, CLAMPING ELEMENT, SEAL AND THE ARRANGEMENT THEREOF, IN PARTICULAR FOR SECURING PHOTOVOLTAIC MODULES TO ROOFS
WO2012159613 A1 20121129	DE201110050600 20110524	F24J2/04	HOFER ANDREAS MARTIN [DE]; HOFER MICHAEL [DE]; STORM HUBERT [DE]	HEAT COLLECTOR MODULE HAVING A HEAT COLLECTOR FOR ATTACHING TO AT LEAST ONE ROOF PLATE ON THE TOP SIDE
WO2012159763 A2 20121129	DE20111050643 20110526	H01L31/058	BIHLER WILLI [DE]	COMBINED PHOTOVOLTAIC AND SOLAR THERMAL SYSTEM
WO2012160396 A1 20121129	GR20110100310 20110523	F24J2/46	BAZIGOS SPYRONIKOLAOS [GR]	SOLAR COLLECTOR IN A TROUGH (CONTAINER) OF DEEP DRAWING WITH A PARTICULAR FORMING OF THE EDGES
WO2012160905 A1 20121129	JP20110115395 20110524	F24J2/38; F24J2/18	NABTESCO CORP [JP]; SAKURAI KAZUHIKO [JP]	SOLAR LIGHT COLLECTING SYSTEM
WO2012162920 A1 20121206	CN20111149561 20110531	F24J2/04; F24J2/46	ZHU LEI [CN]	EVACUATED FLAT PLATE SOLAR COLLECTOR
WO2012163335 A2 20121206	DE201110103698 20110531	F24J2/52	SCHLETTER GMBH [DE]; FLUHRER DIETER [DE]	ARRANGEMENT OF FRAMELESS PV MODULES ON A ROOF CONSTRUCTION
WO2012163570 A1 20121206	DK20110070278 20110601	F24J2/52; E04D13/14	JUAL HOLDING AS [DK]; JEPSEN HENRIK [DK]	A ROOF MOUNTING DEVICE
WO2012163581 A1 20121206	DE201110102918 20110531	F24J2/07; F03G6/06; F24J2/46	KRAFTANLAGEN MUENCHEN GMBH [DE]; ANDLAUER FELIX [DE]; DOERBECK TILL [DE]	RADIATION PROTECTION FOR SOLAR RECEIVER UNIT

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WO2012163728 A1 20121206	DE201110105852 20110603; DE201110052129 20110726	F24J2/52	HABDANK PV MONTAGESYSTEME GMBH & CO KG [DE]; HABDANK MARTIN [DE]; HABDANK PETER [DE]; BAUMANN RALF [DE]	FASTENING SYSTEM FOR FASTENING SOLAR MODULES
WO2012163962 A1 20121206	FR20110054769 20110531	F24J2/07; F24J2/16; F24J2/46	COMMISSARIAT ENERGIE ATOMIQUE [FR]; COUTURIER RAPHAEL [FR]; FLEURY GATIEN [FR]; BREGEARD ETIENNE [FR]; BRUCH ARNAUD [FR]	LONGER-LIFE SOLAR POWER PLANT RECEIVER
WO2012163993 A2 20121206	DE201110076848 20110601		FRANZ JANSEN GMBH & CO KG [DE]; JANSSEN FRANZ [DE]	APPARATUS FOR CLEANING SURFACES
WO2012164105 A1 20121206	WO2011ES70385 20110527	F24J2/46; F24J2/04; F24J2/07; F24J2/24	LOGISTICA Y ACONDICIONAMIENTOS IND S A U [ES]; LACALLE BAYO JESUS [ES]	METHOD OF DRAINING HEAT- TRANSFER OIL IN A SOLAR POWER PLANT, AND EQUIPMENT FOR DRAINING, STORING AND REPLENISHING HEAT-TRANSFER OIL IN ORDER TO IMPLEMENT SAID METHOD
WO2012164111 A1 20121206	WO2011ES70398 20110603	F24J2/46; F24J2/04	FUNDACION CIDAUT [ES]; ALONSO SASTRE CARLOS [ES]; ZAMARRON PINILLA ALBERTO [ES]; MERINO SENOVILLA JUAN CARLOS [ES]	SOLAR HEAT COLLECTOR
WO2012164222 A1 20121206	FR20110001659 20110530; FR20110062002 20111220; FR20120053883 20120426	F24J2/54; F24J2/52	PRESTIGE SOLAIRE [FR]; MICHOTTE DE WELLE YACIN [FR]; MICHOTTE DE WELLE MADYAN [FR]	MOTORIZED ROTATIONAL DRIVE SYSTEM FOR A SOLAR COLLECTOR TRACKER SUPPORT SYSTEM

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WO2012165460 A1 20121206	JP20110121513 20110531	G02B5/08; B32B15/08; B32B27/00; F24J2/10; G02B1/10	KONICA MINOLTA ADVANCED LAYERS [JP]; ADACHI HITOSHI [JP]	REFLECTING DEVICE FOR SOLAR THERMAL POWER GENERATION, FILM MIRROR, AND METHOD FOR PRODUCING FILM MIRROR
WO2012165683 A1 20121206	KR20110052011 20110531	G09F13/00; F24J2/52; H01L31/042	KIM CHAN SIK [KR]	SIGNBOARD USING SOLAR CELLS
WO2012165684 A1 20121206	KR20110052938 20110601	F24J2/04; F24D15/00; F24J2/34; F25B27/00	UNIV KYUNG HEE UNIV IND COOP [KR]; HONG HI KI [KR]	SOLAR HOT WATER SUPPLY SYSTEM ALSO USED FOR COOLING
WO2012165697 A1 20121206	KR20110052789 20110601; KR20110052790 20110601	H01L31/042; F24J2/38; F24J2/52	RAON TECH CO LTD [KR]; PARK DOO YEOL [KR]; PARK GI JU [KR]	SOLAR CELL MODULE SUPPORT ASSEMBLY
WO2012167759 A1 20121213	WO2011CZ00063 20110610	F24J2/40; F24J2/08	SEHNOUTEK JAN [CZ]	DEVICE FOR UTILIZATION OF SOLAR ENERGY
WO2012167776 A2 20121213	DE201110106083 20110608	H01L31/042	SCHLETTER GMBH [DE]; ZELENSKI VYACHESLAV [DE]; SCHLETTER LUDWIG [DE]; MADLINDL STEFAN [DE]	STAND FOR PV MODULES
WO2012168179 A1 20121213	DE201110106212 20110607	E04D1/30; F24J2/04; H01L31/048	KONSCHA ENGINEERING GMBH [DE]; HERMANN RUDOLPH BAUSTOFFWERK GMBH [DE]; MEISKE GERHARD [DE]; FINK WOLFGANG [DE]	SET OF TRANSITION TILES FOR FRAMING A ROOF ELEMENT IN A ROOF CLADDING
WO2012168384 A1 20121213	DE20111077158 20110607; DE20111084215 20111010	F24J2/52	MOUNTING SYSTEMS GMBH [DE]; SCHNITZER SANDY [DE]	MOUNTING SYSTEM AND MOUNTING ARRANGEMENT FOR A SOLAR MODULE ARRANGEMENT

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WO2012168386 A1 20121213	DE201110077163 20110607; DE201110086228 20111111	F24J2/52; F24J2/46	MOUNTING SYSTEMS GMBH [DE]; DJAHANI MAJID [DE]	SOLAR MODULE ARRANGEMENT AND FIXING SYSTEM
WO2012168389 A1 20121213	DE201110077122 20110607; DE201110084213 20111010	F24J2/52	MOUNTING SYSTEMS GMBH [DE]; SCHNITZER SANDY [DE]	FRAME ARRANGEMENT AND SOLAR MODULE ARRANGEMENT
WO2012168445 A1 20121213	DE201110050993 20110609	F24J2/46; F24J2/50	ETA 86 SOLAR STEEL AG [CH]; FISCHER WERNER [DE]	METHOD FOR PRODUCING A HEAT EXCHANGER, HEAT EXCHANGER, AND PRODUCTION ASSEMBLY
WO2012168577 A2 20121213	FR20110001773 20110609	F24J2/46; C23C8/10; C23C8/14; C23C8/18; F24J2/06; F24J2/48	COMMISSARIAT ENERGIE ATOMIQUE [FR]; FLEURY GATIEN [FR]; COUTURIER RAPHAEL [FR]; DUBARRY CHRISTOPHE [FR]; MOLLARD CAROLE [FR]; SICARDY OLIVIER [FR]	PROCESS FOR PRODUCING AN ELEMENT FOR ABSORBING SOLAR RADIATION FOR A THERMAL CONCENTRATING SOLAR POWER PLANT
WO2012168627 A2 20121213	FR20110054953 20110607	F24J2/04; E04D3/06; E04D3/36; E04D13/18; F24J2/46; F24J2/52; H01L31/042	SAINT GOBAIN [FR]; DOUCHE JEAN-PIERRE [FR]; ABICHOU MOHAMED [FR]	ATTACHMENT AND SEALING SYSTEM FOR CREATING A SOLAR ROOF, AND SOLAR ROOF OBTAINED
WO2012168674 A1 20121213	FR20110055115 20110610	H01L31/048; E04D1/34; E04D13/18; F24J2/52	SAINT GOBAIN [FR]; JOUSSE DIDIER [FR]; EL KASMI SILHAM [FR]; DOUCHE JEAN-PIERRE [FR]	ATTACHMENT DEVICE FOR A SOLAR TILE
WO2012169980 A1 20121213	WO2011TR00156 20110609	F24J2/06; F24J2/08; F24J2/18; H01L31/052	SELIMOGLU OZGUR [TR]; TURAN RASIT [TR]	A WAVEGUIDE FOR CONCENTRATED SOLAR COLLECTORS AND A SOLAR COLLECTOR THEREOF
WO2012170233 A2 20121213	US201113155602 20110608	F24J2/04; F24J2/10; F24J2/24; F24J2/50	H2GO INC [US]; CONLEY GARY [US]	SOLAR THERMAL COLLECTION APPARATUS AND METHODS

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
WO2012170730 A2 20121213	US201161494209P 20110607	H01L31/042; F16M11/00; F24J2/52	GOSSAMER SPACE FRAMES [US]; REYNOLDS GLENN A [US]; HACKBARTH DEAN R [US]	MOUNTING SYSTEM AND METHOD FOR MOUNTING A CURVED PANEL TO A FRAME
WO2012171877 A2 20121220	DE20111077477 20110614		SIEMENS AG [DE]; DANOV VLADIMIR [DE]; GROMOLL BERND [DE]; VAN HASSELT PETER [DE]	SOLAR THERMAL SYSTEM HAVING HEAT PIPES
WO2012172028 A1 20121220	BE20110000366 20110615	F24J2/52; H01L31/042	TECHNOL EUROP BVBA [BE]; PEETERS IVAN [BE]	SOLAR PANEL SUPPORT
WO2012172148 A1 20121220	ES20110031009 20110616	F24J2/48; C23C28/00; F24J2/46	CONSEJO SUPERIOR INVESTIGACION [ES]; CESPEDES MONTOYA EVA MARIA [ES]; PRIETO DE CASTRO CARLOS ANDRES [ES]; ESCOBAR GALINDO RAMON [ES]; SANCHEZ GARCIA JOSE ANGEL [ES]	COVERING THAT SELECTIVELY ABSORBS VISIBLE AND INFRARED RADIATION, AND METHOD FOR THE PRODUCTION THEREOF
WO2012172296 A1 20121220	GB20110010100 20110615	F24J2/04; F24J2/52; H01L31/042	HILL RANIA GIDEON [GB]	IMPROVEMENT IN OR RELATING TO THREE DIMENSIONAL SOLAR PANEL APPARATUS
WO2012175289 A1 20121227	DE20111077878 20110621	C23C30/00; B32B7/00; B32B15/09; B32B27/06; B32B33/00; C23C14/02; C23C16/02; F24J2/10; G02B5/08	EVONIK ROEHM GMBH [DE]; NUMRICH UWE [DE]; SCHMIDT ARNE [DE]; STEINFELS CHRISTOPH [DE]; BALK SVEN [DE]; OLBRICH MICHAEL [DE]	POLYMERIC SUBSTRATE MATERIAL FOR PHYSICAL AND CHEMICAL VAPOR DEPOSITION PROCESSES, CONTAINING AN ADHESION-PROMOTING POLYMERIC LAYER, AND THE USE THEREOF FOR PRODUCING CONCENTRATORS OF SOLAR RADIATION

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
WO2012175818 A1 20121227	WO2011FR00365 20110623	F24J2/52; E04D3/30; E04D3/365	ARCELORMITTAL INVESTIGACION Y DESARROLLO SL [ES]; CHABAS ERIC [FR]; MASURE DAVID [FR]	PANEL, ASSEMBLY OF PANELS AND ASSOCIATED ROOFING
WO2012176007 A1 20121227	HU20110000153U 20110624	F24J2/05; F24J2/14; F24J2/51	BASZUN JERZY [HU]; SOHAJDA ISTVAN [HU]	SOLAR COLLECTOR
WO2012176152 A2 20121227	US201161457862P 20110622	F24J2/04	HAOGENPLAST LTD [IL]; AMSTERDAM ITAMAR [IL]	A SOLAR PLATFORM
WO2012176590 A1 20121227	JP20110139349 20110623	F24J2/00	HITACHI PLANT TECHNOLOGIES LTD [JP]; MASAKI HIROSHI [JP]; KIKUCHI HIROSHIGE [JP]	SOLAR ENERGY UTILIZATION SYSTEM
WO2012176650 A1 20121227	JP20110137514 20110621	G02B7/182; F03G6/00; F24J2/12; F24J2/38; G02B7/198; H01L31/052	KONICA MINOLTA ADVANCED LAYERS [JP]; ISHIDA KAZUO [JP]; TAKAHASHI YUTAKA [JP]	SOLAR LIGHT COLLECTING MIRROR AND SOLAR THERMAL POWER GENERATION SYSTEM HAVING SOLAR LIGHT COLLECTING MIRROR
WO2012176819 A1 20121227	JP20110139689 20110623	C09D123/28; C09D5/00; C09D7/12; F24J2/10; G02B5/08	ASAHI GLASS CO LTD [JP]; SAITO SHUN [JP]; MASUDA SHOU [JP]; NISHIO HIROSHI [JP]; UCHIDA KOUJI [JP]	PAINT COMPOSITION FOR HEAT-REFLECTING MIRROR OF SOLAR HEAT COLLECTOR AND HEAT-REFLECTING MIRROR FOR SOLAR HEAT COLLECTOR
WO2012177004 A2 20121227	KR20110061456 20110624	H01L31/042; B63B38/00; F24J2/52; H02N6/00	WOOJIN ENTPR CO LTD [KR]; KIM TACK SOO [KR]	PRESSING-TYPE FLOATING PHOTOVOLTAIC DEVICE
WO2012177320 A1 20121227	US201161500644P 20110624	B82Y30/00; C09K5/06; F28D20/02; H01G9/058	MASSACHUSETTS INST TECHNOLOGY [US]; KOLPAK ALEXIE M [US]; GROSSMAN JEFFREY C [US]	MODIFIED NANOMATERIAL AND METHOD FOR ENERGY STORAGE
WO2012177379 A2 20121227	US201161499411P 20110621	F24J2/04	CARRIER CORP [US]; SAHM MICHAEL K [US]	SOLAR COOLING, HEATING AND POWER SYSTEM

Número de Documento	Prioridade(s)	Classificação Internacional	Depositante	Título
WO2012177500 A1 20121227	US201113168128 20110624	B32B17/10; F24J2/10; G02B5/00	GUARDIAN INDUSTRIES [US]; DEVISETTI SURESH K [US]	RADIATION CURABLE ADHESIVES FOR REFLECTIVE LAMINATED SOLAR PANELS, LAMINATED SOLAR PANELS INCLUDING RADIATION CURABLE ADHESIVES, AND/OR ASSOCIATED METHODS

Anexo 1: Códigos dos Principais Países

Código	País	Código	País
AR	Argentina	IN	Índia
AT	Áustria	IS	Islândia
AU	Austrália	IT	Itália
BE	Bélgica	JP	Japão
BG	Bulgária	KR	República Da Coreia
BR	Brasil	LU	Luxemburgo
BS	Bahamas	LV	Letônia
CA	Canadá	MA	Marrocos
CH	Suíça	MD	Republica Moldova
CN	China	MX	México
CZ	República Tcheca	NL	Holanda
DE	Alemanha	NO	Noruega
DK	Dinamarca	NZ	Nova Zelândia
DZ	Argélia	OA	African Intellectual Property Organization (OAPI) ¹
EA	Organização de Patentes da Eurásia (EAPO) ¹	PH	Filipinas
EE	Estônia	PL	Polônia
EG	Egito	PT	Portugal
EP	Organização Europeia de Patentes (EPO) ¹	RO	Romênia
ES	Espanha	RU	Federação Russa
FI	Finlândia	SE	Suécia
FR	França	SG	Singapura
GB	Reino Unido	SI	Eslovênia
GR	Grécia	SK	Eslováquia
HK	Região Administrativa Especial de Hong Kong Da República Popular da China	TR	Turquia
HR	Croácia	TW	Taiwan
HU	Hungria	UA	Ucrânia
ID	Indonésia	US	Estados Unidos
IE	Irlanda	WO	Organização Mundial de Propriedade Intelectual (WIPO) ²
IL	Israel	ZA	África do Sul

Fonte: <http://www.wipo.int/export/sites/www/scit/en/standards/pdf/030301.pdf>, acesso: março 2008

¹ A OAPI é um organismo intergovernamental encarregado de emitir títulos de proteção dos direitos de propriedade industrial e de prestar serviços relacionados com a propriedade industrial para cada um dos Estados-membros. Aplica uma legislação uniforme que tem lugar de lei nacional para cada um dos Estados-Membros: o Acordo de Bangui. Estes títulos de proteção têm efeito automático em cada um dos seguintes Estados-membros: Benim, Burquina Faso, Camarões, África Central, Congo, Costa do Marfim, Gabão, Guiné, Guiné Bissau, Guiné Equatorial, Mali, Mauritânia, Nigéria, Senegal, Chade e Togo.

² O código “WO” é utilizado para a publicação internacional dos pedidos depositados via Tratado de Cooperação em Matéria de Patentes (PCT) em qualquer um dos países receptores destes pedidos.