

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5651629

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
E. I. DU PONT DE NEMOURS AND COMPANY		06/17/2019
RECEIVING PARTY DATA		
Name:	DUPONT ELECTRONICS, INC.	
Street Address:	974 CENTRE ROAD	
City:	WILMINGTON	
State/Country:	DELAWARE	
Postal Code:	19805	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	09741942	
CORRESPONDENCE DATA		
Fax Number:	(678)420-9301	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	6784209300	
Email:	wilsonj@ballardspahr.com	
Correspondent Name:	MITCHELL A. KATZ	
Address Line 1:	999 PEACHTREE STREET	
Address Line 2:	SUITE 1000	
Address Line 4:	ATLANTA, GEORGIA 30309	
ATTORNEY DOCKET NUMBER:	37893.3000	
NAME OF SUBMITTER:	MITCHELL A. KATZ	
SIGNATURE:	/Mitchell A. Katz/	
DATE SIGNED:	08/05/2019	
Total Attachments: 144		
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT (this "Assignment"), dated as of March 28, 2019 (the "Effective Date"), is by and between E. I. du Pont de Nemours and Company, a Delaware corporation ("Assignor") and DuPont Electronics, Inc., a Delaware corporation ("Assignee"), (each a "Party" and collectively, the "Parties").

WHEREAS, Assignor owns the issued patents and patent applications set forth on Schedule A hereto (the foregoing, including all patents issuing from any patent applications, collectively, the "Assigned Patents"); and

WHEREAS, the Parties hereto agree that the Assignor contribute, transfer, assign and convey to the Assignee all of its right, title and interest in and to the Assigned Patents and that the Assignee accept such contribution, transfer, assignment and conveyance of such Assigned Patents;

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements contained in this Assignment, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

1. Conveyance. Assignor hereby assigns, transfers and conveys to Assignee all of Assignor's right, title and interest in and to the Assigned Patents, together with any and all (a) related continuations, continuations-in-part, divisionals, reissues, reexaminations, substitutions, extensions, and foreign equivalents thereof and (b) priority rights derived from any the Assigned Patents, or the items described in the foregoing subsection (a), by virtue of the International Convention for the Protection of Industrial Property and any other rights provided under applicable treaties or conventions, including rights in any and all provisional applications, together with all rights and remedies against past, present, and future infringement, misappropriation, or other violation thereof, including the right to enforce the foregoing and to sue for and recover profits and damages for any and all infringements, misappropriations or violations thereof, whether past, present or future, to the full end of the term or terms for which said patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor without this assignment (the rights transferred under this Section 1 cumulatively, the "Assigned Rights").

2. Recordation; Further Assurances. Assignor and Assignee shall each take any and all additional actions as may be reasonably necessary to effect the transactions contemplated hereby, including Assignor's execution of individual assignment documentation prepared by Assignee at Assignee's expense for filing with the authorities of each individual country. In furtherance of the foregoing, Assignor agrees that with respect to the Assigned Patents it will enter into an assignment agreement suitable for filing with the authorities of each individual country (each an "Recordal Instrument"). The Parties agree that any Recordal Instrument shall give no greater rights or remedies in respect of the transaction completed in such Recordal Instrument than those provided for herein and Section 4 of this Assignment shall apply to any Recordal Instrument as if fully set forth therein. As between the Parties, the responsibility to file

assignments with the national patent offices of each country for the Assigned Patents shall be on the Assignee and the Assignee shall bear the cost of filing such assignments (unless, as of the Effective Date, the patent registration or application is not properly recorded in the name of the Assignor or an Affiliate of Assignor, in which case, at the request of Assignee, the Parties shall reasonably cooperate to make the necessary corrective filings and records of the documents that are available to them and shall split evenly any expenses in connection with the foregoing corrections and each Party shall provide any receipts and expense documentation to the other Party for the purposes of splitting such expenses).

3. Prosecution and Maintenance. For the avoidance of doubt but without limiting the obligations set forth in Section 2 hereof, as of and following the Effective Date, Assignor will have no responsibility to take any action to maintain any of the patents included in the Assigned Rights or further prosecute or seek issuance of any patent applications included in the Assigned Rights, including payment of fees, responses to any office action or other inquiries from agents of governmental entities or registrars, or otherwise.

4. No Claims. Except with respect to Section 2 of this Assignment, neither Party nor any of their respective affiliates or representatives will have, or be subject to, any liability or indemnification obligation under this Assignment to the other Party, any of its affiliates or representatives or any other entity or person resulting from, or in connection with, this Assignment or the transactions contemplated hereby. Except with respect to Section 2, each of the Parties hereby agrees (a) not to bring any claim or Action (as defined herein) under this Assignment against the other Party, its affiliates or representatives and (b) to cause its respective affiliates and representatives to comply with this Section 4. "Action" shall mean any claims, actions, suits, inquiries, proceedings or investigations by or before any governmental authority or arbitral tribunal.

5. Disclaimer of Representations and Warranties. ASSIGNEE (ON BEHALF OF ITSELF AND ITS AFFILIATES) UNDERSTANDS AND AGREES THAT NO PARTY TO THIS ASSIGNMENT IS REPRESENTING OR WARRANTING IN ANY WAY IN THIS ASSIGNMENT, AND HEREBY EXPRESSLY DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, AS TO THE ASSIGNED PATENTS AND THE OTHER ASSIGNED RIGHTS, AS TO ANY CONSENTS OR APPROVALS (INCLUDING APPROVALS FROM ANY GOVERNMENTAL ENTITIES) REQUIRED IN CONNECTION HERewith OR THEREWITH, AS TO THE VALUE OR FREEDOM FROM ANY SECURITY INTERESTS OF OR THE NON-INFRINGEMENT OR ABSENCE OF OTHER VIOLATION, VALIDITY OR ENFORCEABILITY OR ANY OTHER MATTER CONCERNING THE ASSIGNED PATENTS AND OTHER PATENTS AND PATENT APPLICATIONS INCLUDED IN THE ASSIGNED RIGHTS, AND ALL OF THE ASSIGNED PATENTS AND OTHER ASSIGNED RIGHTS ARE BEING TRANSFERRED ON AN "AS IS, WHERE IS" AND "WITH ALL FAULTS" BASIS.

6. Successors and Assigns. The provisions of this Assignment and the obligations and rights hereunder shall be binding upon, inure to the benefit of and be enforceable by (and against) the Parties and their respective successors and permitted transferees and assigns.

7. Counterparts. This Assignment may be executed in more than one counterpart, all of which shall be considered one and the same agreement, and shall become effective when one or more such counterparts have been signed by each of the Parties and delivered to each of the Parties.

8. Title and Headings. Titles and headings to sections herein are inserted for the convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this Assignment.

9. Governing Law. This Assignment and any dispute arising out of, in connection with or relating to this Assignment shall be governed by and construed in accordance with the Laws of the State of Delaware, without giving effect to the conflicts of laws principles thereof.

[Signature Page Follows]

IN WITNESS WHEREOF, Assignor and Assignee have duly executed this Assignment as of the date first written above.

ASSIGNOR:

E. I. du Pont de Nemours and Company

By: Marian T Flattery

Name: Marian Flattery

Title: Associate General Counsel - Intellectual Property

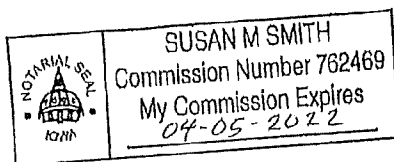
THE STATE OF IOWA

County of POLK

This instrument was executed before me on this 17 day of JUNE, 2019, by MARIAN T. FLATTERY, the ASSOCIATE GENERAL COUNSEL (title) of E. I. du Pont de Nemours and Company, a Delaware corporation, on behalf of said company.

Susan M. Smith
Notary Public in and for
The State of IOWA

SUSAN M. SMITH
Printed or Typed Name of Notary



My commission expires APRIL 5, 2022

Signature Page to Patent Assignment by and between E. I. du Pont de Nemours and Company and DuPont Electronics, Inc.

Acknowledged and Accepted:

ASSIGNEE:

DuPont Electronics, Inc.

By: Jessica M. Sinnott

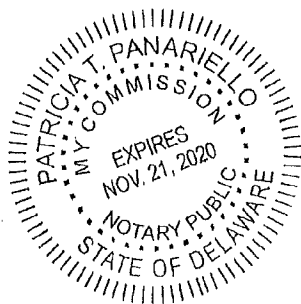
Name: Jessica Sinnott

Title: Chief IP Counsel and Associate General Counsel

THE STATE OF DELAWARE

County of New Castle

This instrument was executed before me on this 19th day of June, 2019, by Jessica M. Sinnott, the Chief IP Counsel (title) of DuPont Electronics, Inc., a Delaware corporation, on behalf of said company. Assoc. General Counsel



Patricia T. Panariello
Notary Public in and for
The State of

Patricia T. Panariello
Printed or Typed Name of Notary

My commission expires November 21, 2020

Signature Page to Patent Assignment by and between E. I. du Pont de Nemours and Company and DuPont Electronics, Inc

PATENT
REEL: 049953 FRAME: 0009

SCHEDULE A TO PATENT ASSIGNMENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3413 -US-NP	United States Of America	National Patent	31 Oct 2013	14/068535	29 Sep 2015	9145356	PERFLUOROPOLYVINYL MODIFIED ARYL INTERMEDIATES AND MONOMERS
CH3414 -US-NP	United States Of America	National Patent	31 Oct 2013	14/068603	24 Feb 2015	8962879	PERFLUOROPOLYVINYL MODIFIED ARYL INTERMEDIATES/MONOMERS
CH3415 -US-NP	United States Of America	National Patent	31 Oct 2013	14/068784	14 Jun 2016	9365476	PERFLUOROPOLYVINYL MODIFIED ARYL MONOMERS
CL2336 -CN-PCT	China	PCT Application	14 May 2004	200480013439.2			BARRIER FILMS FOR PLASTIC SUBSTRATES FABRICATED BY ATOMIC LAYER DEPOSITION
CL2336 -KR-PCD[2]	South Korea / Republic of Korea	PCT Application Divisional	03 Jun 2013	10-2013-7014284	18 Jul 2014	1423446	BARRIER FILMS FOR PLASTIC SUBSTRATES FABRICATED BY ATOMIC LAYER DEPOSITION
CL2336 -US-CNT	United States Of America	Continuation	26 Mar 2008	12/055560	21 May 2013	8445937	BARRIER FILMS FOR PLASTIC SUBSTRATES FABRICATED BY ATOMIC LAYER DEPOSITION
CL4126 -US-DIV	United States Of America	National Patent Divisional	23 Oct 2009	12/604468	31 May 2011	7951311	NON-LEAD RESISTOR COMPOSITION
CL4126 -US-DIV[2]	United States Of America	National Patent Divisional	31 May 2011	13/118660	24 Jul 2012	8226857	NON-LEAD RESISTOR COMPOSITION
CL4126 -US-NP	United States Of America	National Patent	18 Apr 2008	12/105683	27 Oct 2009	7608206	NON-LEAD RESISTOR COMPOSITION
CL4130 -US-NP	United States Of America	National Patent	10 Oct 2008	12/249078	10 Jan 2012	8092905	COMPOSITIONS CONTAINING MULTIFUNCTIONAL NANOPARTICLES
CL4253 -US-DIV	United States Of America	National Patent Divisional	27 Mar 2014	14/227482	23 Jun 2015	9063417	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4253 -US-NP	United States Of America	National Patent	11 Dec 2009	12/636072	06 May 2014	8715906	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL4351 -US-DIV	United States Of America	National Patent Divisional	18 Sep 2013	14/030355	02 Feb 2016	9248686	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL4351 -US-DIV[2]	United States Of America	National Patent Divisional	18 Nov 2015	14/944880	10 Jan 2017	9541828	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL4377 -US-NP	United States Of America	National Patent	09 Dec 2011	13/315318	08 Sep 2015	9129725	CONDUCTIVE PASTE COMPOSITION CONTAINING LITHIUM, AND ARTICLES MADE THEREFROM
CL4382 -CN-NP	China	National Patent	07 Nov 2007	200710166978.5	18 May 2011	200710166978.5	SOLAR CELL SHEET AND A METHOD FOR THE PREPARATION OF THE SAME
CL4399 -CN-NP	China	National Patent	03 Nov 2008	200810175302.7	04 Jul 2012	200810175302.7	BACK SHEET WITH ENCAPSULATION FUNCTION AND SOLAR CELL USING SAME
CL4418 -CN-NP	China	National Patent	03 Mar 2009	200910128143.X	25 Sep 2013	200910128143.X	LAMINATED POLYMER FILM AND SOLAR MODULE MADE THEREOF
CL4418 -JP-PCT	Japan	PCT Application	24 Jun 2009	552926/11	17 Oct 2014	5632397	LAMINATED POLYMER FILM AND SOLAR MODULE MADE THEREOF
CL4418 -US-PCT	United States Of America	PCT Application	24 Jun 2009	13/201525	24 Feb 2015	8962971	LAMINATED POLYMER FILM AND SOLAR MODULE MADE THEREOF
CL4713 -CN-NP	China	National Patent	10 Oct 2009	200910205228.3	27 Nov 2013	200910205228.3	METHOD FOR MANUFACTURING MULTILAYER FILMS AND SOLAR PANEL BACKSHEETS FORMED THEREOF
CL4765 -US-PCT	United States Of America	PCT Application	16 Sep 2010	13/395790	07 Jul 2015	9076571	THICK-FILM CONDUCTIVE COMPOSITIONS WITH NANO-SIZED ZINC ADDITIVE
CL4932 -TW-NP	Taiwan	National Patent	22 Apr 2011	100114167			COATED STAINLESS STEEL SUBSTRATE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4966 -US-NP	United States Of America	National Patent	08 Dec 2011	13/314252	16 Jul 2013	8486308	CONDUCTIVE PASTE COMPOSITION CONTAINING LITHIUM, AND ARTICLES MADE THEREFROM
CL5006 -CN-PCD	China	PCT Application Divisional	10 Aug 2017	2017106815 15.6			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006 -CN-PCD[2]	China	PCT Application Divisional	09 Oct 2018	2018111725 20.5			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006 -CN-PCT	China	PCT Application	04 May 2011	2011800312 25.8			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006 -DE-EPT	Germany	Euro-PCT Application	04 May 2011	11731163.9	02 Mar 2016	60201102362 8.8	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	04 May 2011	11731163.9	02 Mar 2016	2566824	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006 -EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	05 Feb 2016	16154516.5			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5006-ES-EPT	Spain	Euro-PCT Application	04 May 2011	11731163.9	02 Mar 2016	2566824	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-FR-EPT	France	Euro-PCT Application	04 May 2011	11731163.9	02 Mar 2016	2566824	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-GB-EPT	United Kingdom	Euro-PCT Application	04 May 2011	11731163.9	02 Mar 2016	2566824	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-HK-FPR	Hong Kong	Foreign Patent Registration	06 Aug 2013	13109175.3			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-JP-PCT	Japan	PCT Application	04 May 2011	509214/13	24 Jul 2015	5782112	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-KR-PCD	South Korea / Republic of Korea	PCT Application Divisional	12 Nov 2015	10-2015-7032496			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-KR-PCD[2]	South Korea / Republic of Korea	PCT Application Divisional	16 Apr 2018	10-2018-7010658			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5006-KR-PCT	South Korea / Republic of Korea	PCT Application	04 May 2011	10-2012-7031582			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-TW-NP	Taiwan	National Patent	04 May 2011	100115704	11 Jan 2018	1611428	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-US-CNT	United States Of America	Continuation	13 Mar 2013	13/800592	04 Sep 2018	10069020	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-US-CNT[2]	United States Of America	Continuation	13 Feb 2018	15/895067			THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5006-US-NP	United States Of America	National Patent	04 May 2011	13/100533	30 Jul 2013	8497420	THICK-FILM PASTES CONTAINING LEAD- AND TELLURIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5105-CN-PCT	China	PCT Application	01 Sep 2011	201180050963.7	22 Jun 2016	201180050963.7	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL5105-DE-EPT	Germany	Euro-PCT Application	01 Sep 2011	11760615.2	15 May 2019	602011058993.8	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL5105-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Sep 2011	11760615.2	15 May 2019	2612202	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL5105-FR-EPT	France	Euro-PCT Application	01 Sep 2011	11760615.2	15 May 2019	2612202	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5105-GB-EPT	United Kingdom	Euro-PCT Application	01 Sep 2011	11760615.2	15 May 2019	2612202	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL5105-JP-PCT	Japan	PCT Application	01 Sep 2011	527301/13	18 Mar 2016	5902689	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL5105-US-CNT	United States Of America	Continuation	04 Sep 2013	14/017976	04 Nov 2014	8877428	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL5105-US-NP	United States Of America	National Patent	01 Sep 2010	12/873584	24 Sep 2013	8541162	HIGH RESOLUTION, SOLVENT RESISTANT, THIN ELASTOMERIC PRINTING PLATES
CL5117-CN-NP	China	National Patent	07 Jun 2011	2011101583 93.5	15 Jul 2015	20111015839 3.5	SOLAR CELL BACKSHEET WITH IMPROVED ADHESION TO ENCAPSULANT
CL5170-CN-UM	China	Utility Model	07 Sep 2010	2010205228 94.8	01 Jun 2011	20102052289 4.8	THIN FILM SOLAR CELL MODULE
CL5182-US-NP	United States Of America	National Patent	21 Dec 2011	13/332611	25 Nov 2014	8894888	CONDUCTIVE PASTE COMPOSITION WITH SYNTHETIC CLAY ADDITIVE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
CL5249-US-DIV	United States Of America	National Patent Divisional	21 Apr 2015	14/692468	23 Oct 2018	10109750	LEAD-FREE CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5249-US-NP	United States Of America	National Patent	21 Dec 2011	13/332629	26 May 2015	9039942	LEAD-FREE CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5287-US-NP	United States Of America	National Patent	24 Jun 2011	13/168047	17 Sep 2013	8536170	CURABLE COMPOSITION, METHOD OF CURING, AND THE CURED COMPOSITION SO FORMED
CL5289-US-NP	United States Of America	National Patent	24 Jun 2011	13/168062	12 Nov 2013	8580386	LAMINATE COMPRISING CURABLE EPOXY FILM LAYER

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5290 -US-NP	United States Of America	National Patent	24 Jun 2011	13/168069	04 Mar 2014	8663804	PRINTED CIRCUIT BOARD ENCAPSULATED BY ADHESIVE LAMINATE
CL5319 -US-NP	United States Of America	National Patent	07 Dec 2010	12/961562	11 Mar 2014	8668980	FILLED POLYIMIDE FILMS AND COVERLAYS COMPRISING SUCH FILMS
CL5417 -US-NP	United States Of America	National Patent	14 Feb 2013	13/766841	06 May 2014	8716053	MOISTURE BARRIER FOR POTOVOLTAIC CELLS
CL5423 -CN-UM	China	Utility Model	27 Sep 2011	201120371898.5	08 Aug 2012	201120371898.5	CRYSTALLINE SILICON SOLAR CELL MODULE AND MANUFACTURING METHOD THEREOF
CL5428 -US-NP	United States Of America	National Patent	24 Jun 2011	13/168081	19 Nov 2013	8586734	PROCESS FOR PREPARING SUBSTITUTED AND UNSUBSTITUTED DIAMINO TRIAZINE AROMATIC DI-ISOLIMIDES
CL5438 -CN-NP	China	National Patent	19 Jun 2012	201210209885.7	30 Sep 2015	201210209885.7	MULTILAYER STRUCTURES CONTAINING A PERFLUORINATED POLYMER LAYER
CL5556 -US-NP	United States Of America	National Patent	15 Mar 2013	13/833161	26 Apr 2016	9324966	THIN-FILM TRANSPARENT CONDUCTIVE STRUCTURE AND DEVICES MADE THEREWITH
CL5602 -CN-PCT	China	PCT Application	11 Feb 2013	201380008774.2	24 May 2017	201380008774.2	PREPARATION, PURIFICATION AND USE OF HIGH-X DIBLOCK COPOLYMERS
CL5622 -US-NP	United States Of America	National Patent	16 Dec 2011	13/327795	06 May 2014	8715453	METHOD FOR PREPARING CONSOLIDATED MULTI-LAYER ARTICLE USING CURABLE EPOXY-COMPOSITION WITH QUATERNARY AMMONIUM BICARBONATE CURING CATALYST
CL5639 -CN-PCT	China	PCT Application	11 Feb 2013	201380008727.8	26 Oct 2016	201380008727.8	PREPARATION, PURIFICATION AND USE OF HIGH X-DIBLOCK COPOLYMERS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5639 -JP- PCT	Japan	PCT Applicati on	11 Feb 2013	2014- 556772	22 Sep 2017	6211007	PREPARATION, PURIFICATION AND USE OF HIGH X-DIBLOCK COPOLYMERS
CL5639 -US- PCT	United States Of America	PCT Applicati on	11 Feb 2013	14/377342	27 Oct 2015	9169383	PREPARATION, PURIFICATION AND USE OF HIGH X-DIBLOCK COPOLYMERS
CL5673 -CN- PCT	China	PCT Applicati on	23 Mar 2012	2012800242 21.1			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREFROM
CL5673 -US- DIV	United States Of America	National Patent Division al	26 Nov 2014	14/554247	02 May 2017	9640675	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREFROM
CL5673 -US-NP	United States Of America	National Patent	23 Mar 2012	13/427931	02 Dec 2014	8900487	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREFROM
CL5687 -CN- PCT	China	PCT Applicati on	04 Sep 2013	2013800577 32.8	04 Jul 2017	20138005773 2.8	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5687 -US- DIV	United States Of America	National Patent Division al	19 Nov 2014	14/547164	15 Mar 2016	9284459	PROCESS FOR FORMING AN ELECTRICALLY CONDUCTIVE STRUCTURE ON A SUBSTRATE
CL5687 -US-NP	United States Of America	National Patent	03 Sep 2013	14/016492	02 Dec 2014	8900488	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5688 -CN- PCT	China	PCT Applicati on	04 Sep 2013	2013800567 48.7	04 Jul 2017	20138005674 8.7	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5688 -US-NP	United States Of America	National Patent	03 Sep 2013	14/016506	12 Jan 2016	9236161	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5708 -CN- PCT	China	PCT Applicati on	02 Dec 2014	2014800745 42.1	17 Aug 2018	20148007454 2.1	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5708 -US-NP	United States Of America	National Patent	25 Nov 2014	14/552637	12 Sep 2017	9761742	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5942 -CN- PCT	China	PCT Applicati on	02 Dec 2014	2014800745 38.5			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL5942 -US-NP	United States Of America	National Patent	25 Nov 2014	14/552660	17 Oct 2017	9793025	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL6108 -CN-NP	China	National Patent	05 Aug 2016	2016106379 81.X			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL6108 -US-NP	United States Of America	National Patent	22 Jul 2016	15/217272			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
CL6211 -CN-NP	China	National Patent	04 Nov 2015	2015107419 13.3			CONDUCTIVE PASTE FOR A SOLAR CELL ELECTRODE
CL6580 -CN-NP	China	National Patent	22 Jun 2017	2017104808 38.9			ARTICLES CONTAINING A HEAT SOURCE AND A HEAT SPREADER
CL6580 -US-NP	United States Of America	National Patent	23 May 2017	15/602579			ARTICLES CONTAINING A HEAT SOURCE AND A HEAT SPREADER
CR9958 -US- CPA	United States Of America	Continui ng Prosecuti on Appli.	18 May 1999	09/308402	17 Jul 2001	6262321	THE CATALYTIC MANUFACTURE OF VINYL FLUORIDE
CS0016 -CN-NP	China	National Patent	10 Jan 2013	2013100090 58.8	06 Jun 2017	20131000905 8.8	ELECTRICAL CONDUCTIVE ADHESIVE COMPOSED OF ETHYLENE ACRYLIC ELASTOMER AND PLASTIC AS MATRIX

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CS0016-DE-PCT	Germany	PCT Application	09 Jan 2014	1120140003 88.3			ELECTRICALLY CONDUCTIVE ADHESIVES COMPRISING BLEND ELASTOMERS
CS0016-JP-PCT	Japan	PCT Application	09 Jan 2014	2015-552764	29 Jun 2018	6360076	ELECTRICALLY CONDUCTIVE ADHESIVES COMPRISING BLEND ELASTOMERS
CS0016-US-PCT	United States Of America	PCT Application	09 Jan 2014	14/759927	24 Jul 2018	10032945	ELECTRICALLY CONDUCTIVE ADHESIVES COMPRISING BLEND ELASTOMERS
CS0017-CN-NP	China	National Patent	12 Oct 2012	2012103872 11.6	12 Apr 2017	20121038721 1.6	INTEGRATED PHOTOVOLTAIC MODULE DEVICE
CS0019-DE-PCT	Germany	PCT Application	09 Jan 2014	1120140003 94.8			ELECTRICALLY CONDUCTIVE ADHESIVES COMPRISING FLUOROELASTOMERS
CS0019-JP-PCT	Japan	PCT Application	09 Jan 2014	2015-552767	02 Mar 2018	6298077	ELECTRICALLY CONDUCTIVE ADHESIVES COMPRISING FLUOROELASTOMERS
CS0019-US-PCT	United States Of America	PCT Application	09 Jan 2014	14/759926	24 Jul 2018	10030176	ELECTRICALLY CONDUCTIVE ADHESIVES COMPRISING FLUOROELASTOMERS
CS0020-CN-NP	China	National Patent	16 Dec 2013	2013106864 40.2	24 Oct 2017	20131068644 0.2	ANTI-REFLECTIVE COATING WITH DOUBLE-LAYER STRUCTURE
CS0025-CN-NP	China	National Patent	25 Jan 2013	2013100281 83.3	04 Jul 2017	20131002818 3.3	ELECTRICAL INTERCONNECTIN INTEGRATED BACKSHEET IN BACK CONTACT MODULES
CS0032-CN-NP	China	National Patent	04 Dec 2013	2013106424 95.3	24 May 2017	20131064249 5.3	ALUMINUM CIRCUIT INTEGRATED BACKSHEET FOR MWT MODULES
CS0036-CN-NP	China	National Patent	20 Dec 2013	2013107109 96.0	18 Jul 2017	20131071099 6.0	THERMALLY CONDUCTIVE COMPOSITIONS COMPRISING POLYBUTYLENE TEREPHTHALATE
CS0039-CN-PCT	China	PCT Application	28 Aug 2014	2014800814 23.9			COPPER CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CS0039-DE-PCT	Germany	PCT Application	28 Aug 2014	1120140069 10.8			COPPER CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM
CS0039-JP-PCT	Japan	PCT Application	28 Aug 2014	2017-511934	28 Sep 2018	6408696	COPPER CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM
CS0039-US-PCT	United States Of America	PCT Application	28 Aug 2014	15/505682	24 Apr 2018	9951231	COPPER CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM
CS0041-CN-PCT	China	PCT Application	28 Aug 2014	2014800815 62.1			COPPER-CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM
CS0041-DE-PCT	Germany	PCT Application	28 Aug 2014	1120140069 07.8			COPPER-CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM
CS0041-JP-PCT	Japan	PCT Application	28 Aug 2014	2017-511913	28 Sep 2018	6408695	COPPER-CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM
CS0041-US-PCT	United States Of America	PCT Application	28 Aug 2014	15/505690			COPPER-CONTAINING CONDUCTIVE PASTES AND ELECTRODES MADE THEREFROM
CS0042-CN-PCT	China	PCT Application	28 Aug 2014	2014800814 19.2			SOLAR CELLS WITH COPPER ELECTRODES
CS0042-DE-PCT	Germany	PCT Application	28 Aug 2014	1120140069 03.5			SOLAR CELLS WITH COPPER ELECTRODES
CS0042-JP-PCT	Japan	PCT Application	28 Aug 2014	2017-511929			SOLAR CELLS WITH COPPER ELECTRODES
CS0042-US-PCT	United States Of America	PCT Application	28 Aug 2014	15/505695			SOLAR CELLS WITH COPPER ELECTRODES
CS0043-CN-NP	China	National Patent	30 May 2014	2014102393 15.1	29 Dec 2017	20141023931 5.1	ELECTRICALLY INSULATING AND THERMALLY CONDUCTIVE COMPOSITIONS COMPRISING CORE-SHELL TYPE FILLERS

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CS0045 -CN-NP	China	National Patent	23 Jun 2014	2014102828 93.3	19 Sep 2017	20141028289 3.3	THERMALLY CONDUCTIVE COMPOSITIONS HAVING IMPROVED MELT VISCOSITY AND ARTICLES MADE THEREFROM
CS0051 -CN-PCT	China	PCT Application	28 Aug 2015	2015800825 91.4			ELECTRICALLY CONDUCTIVE ADHESIVES
CS0051 -US-PCT	United States Of America	PCT Application	28 Aug 2015	15/754355			ELECTRICALLY CONDUCTIVE ADHESIVES
CS0052 -CN-PCT	China	PCT Application	28 Aug 2015	2015800825 88.2			ELECTRICALLY CONDUCTIVE ADHESIVES
CS0052 -US-PCT	United States Of America	PCT Application	28 Aug 2015	15/754336			ELECTRICALLY CONDUCTIVE ADHESIVES
CS0053 -CN-PCT	China	PCT Application	28 Aug 2015	2015800827 58.7			COATED COPPER PARTICLES AND USE THEREOF
CS0053 -US-PCT	United States Of America	PCT Application	28 Aug 2015	15/754370			COATED COPPER PARTICLES AND USE THEREOF
CS0055 -CN-NP	China	National Patent	22 Aug 2016	2016107012 77.6			THERMAL INTERFACE MATERIALS
CS0056 -CN-NP[2]	China	National Patent	29 Nov 2016	2016110704 70.0			ADHESION PROMOTER USED FOR ELECTRICALLY CONDUCTIVE ADHESIVE (ECA)
CS0056 -WO-PCT	International Procedure	PCT Application	27 Jun 2017	PCT/US17/3 9475			ADHESION PROMOTER USED FOR ELECTRICALLY CONDUCTIVE ADHESIVE (ECA)
CS0057 -CN-NP	China	National Patent	25 Jan 2017	2017100608 37.9			LAMINATED POLYMER FILM AS BACKSHEET OF SOLAR CELL MODULE
CS0057 -US-NP	United States Of America	National Patent	24 Jan 2018	15/878826			BACK SHEET FOR SOLAR CELL MODULE AND SOLAR CELL MODULE MADE THEREOF

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CS0058 -CN-NP	China	National Patent	14 Nov 2017	2017111221 33.6			TRANSPARENT POLYMERIC FILMS OR SHEETS WITH SCRATCH RESISTANT COATING
DH004 7-CN-PCT	China	PCT Application	11 Nov 2008	2008801171 30.6	13 Jun 2012	20088011713 0.6	METHOD FOR BONDING A TRANSPARENT SUBSTRATE TO A LIQUID CRYSTAL DISPLAY AND ASSOCIATED DEVICE
DH004 7-TW-NP	Taiwan	National Patent	13 Nov 2008	097143943	21 Mar 2015	I477325	METHOD FOR BONDING A TRANSPARENT SUBSTRATE TO A LIQUID CRYSTAL DISPLAY AND ASSOCIATED DEVICE
DH005 4-JP-PCT	Japan	PCT Application	29 Dec 2008	540913/10	24 Apr 2015	5735279	ACTINICALLY CURABLE ADHESIVE COMPOSITION
DH005 4-TW-NP	Taiwan	National Patent	29 Dec 2008	097151327			ACTINICALLY CURABLE ADHESIVE COMPOSITION
DH005 8-KR-PCT	South Korea / Republic of Korea	PCT Application	22 Dec 2008	2010-7016827			METHOD FOR REWORKING ADHESIVELY BONDED LIQUID CRYSTAL DISPLAYS
DH006 0-CN-PCT	China	PCT Application	20 Nov 2009	2009801467 27.8	13 May 2015	20098014672 7.8	SEMI-AUTOMATED BONDED LCD REWORKABILITY PROCESS
DH006 0-JP-PCT	Japan	PCT Application	20 Nov 2009	537641/11			SEMI-AUTOMATED BONDED LCD REWORKABILITY PROCESS
DH006 0-TW-NP	Taiwan	National Patent	20 Nov 2009	098139528	11 May 2015	I484454	SEMI-AUTOMATED BONDED LCD REWORKABILITY PROCESS
DH006 0-US-PCT	United States Of America	PCT Application	20 Nov 2009	13/120458	16 Apr 2013	8419896	SEMI-AUTOMATED BONDED LCD REWORKABILITY PROCESS
EK0277 -US-NP	United States Of America	National Patent	29 Oct 2004	10/975501			METHOD OF CHEMICALLY MECHANICALLY POLISHING SUBSTRATES
EL0427 -US-CIP	United States Of America	Continuation-in-Part	27 Nov 2000	09/722971	29 Jul 2003	6599408	THICK FILM CONDUCTOR COMPOSITION FOR USE IN BIOSENSORS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0471 -US-NP	United States Of America	National Patent	04 Dec 2003	10/728335	04 Mar 2008	7338622	THICK FILM COMPOSITIONS FOR USE IN ELECTROLUMINESCENT APPLICATIONS
EL0473 -CN-PCT	China	PCT Application	23 Aug 2002	02816588.8	20 Jun 2007	330784	THERMOSETTING ELECTROCONDUCTIVE PASTE FOR ELECTROCONDUCTIVE BUMP USE
EL0490 -US-CNT	United States Of America	Continuation	24 May 2004	10/852609	12 Dec 2006	7147736	TAPE COMPOSITION AND PROCESS FOR INTERNALLY CONSTRAINED SINTERING OF LOW TEMPERATURE CO-FIRED CERAMIC
EL0490 -US-NP	United States Of America	National Patent	02 Jan 2003	10/336439	17 Aug 2004	6776861	TAPE COMPOSITION AND PROCESS FOR INTERNALLY CONSTRAINED SINTERING OF LOW TEMPERATURE CO-FIRED CERAMIC
EL0494 -DE-EPA	Germany	European Application	19 Jul 2004	04016947.6	12 Jan 2011	60200403097 6.1	THICK-FILM CONDUCTOR PASTE FOR AUTOMOTIVE GLASS
EL0494 -EP-EPA	European Procedure (Patents)	European Application	19 Jul 2004	04016947.6	12 Jan 2011	1506944	THICK-FILM CONDUCTOR PASTE FOR AUTOMOTIVE GLASS
EL0494 -JP-NP	Japan	National Patent	13 Aug 2004	236026/04	28 Oct 2011	4851073	THICK-FILM CONDUCTOR PASTE FOR AUTOMOTIVE GLASS
EL0494 -US-NP	United States Of America	National Patent	14 Aug 2003	10/641889	21 Nov 2006	7138347	THICK-FILM CONDUCTOR PASTE FOR AUTOMOTIVE GLASS
EL0518 -CN-NP	China	National Patent	15 Nov 2006	2006101624 73.7	19 Nov 2014	20061016247 3.7	LEAD FREE LTCC TAPE COMPOSITION
EL0518 -JP-NP	Japan	National Patent	15 Nov 2006	309207/06	22 Jun 2012	5022675	LEAD FREE LTCC TAPE COMPOSITION
EL0518 -US-NP	United States Of America	National Patent	05 Oct 2006	11/543742	30 Mar 2010	7687417	LEAD FREE LTCC TAPE COMPOSITION

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EL0529 -US-NP	United States Of America	National Patent	04 Dec 2003	10/728142	06 Sep 2005	6939484	THICK FILM CONDUCTOR COMPOSITIONS FOR USE IN MEMBRANE SWITCH APPLICATIONS
EL0532 -US-NP	United States Of America	National Patent	25 Feb 2004	10/786489	30 Jan 2007	7169330	COMPOSITION OF CONDUCTIVE PASTE
EL0542 -US-NP	United States Of America	National Patent	09 Feb 2004	10/775848	23 Mar 2010	7683107	INK JET PRINTABLE THICK FILM INK COMPOSITIONS AND PROCESSES
EL0546 -US-NP	United States Of America	National Patent	06 Aug 2004	10/913874	14 Nov 2006	7135267	AQUEOUS DEVELOPABLE PHOTOIMAGEABLE COMPOSITIONS FOR USE IN PHOTO-PATTERNING METHODS
EL0554 -CN-PCT	China	PCT Application	23 Nov 2009	2009801477 66.X	21 Aug 2013	20098014776 6.X	HIGH CONDUCTIVITY POLYMER THICK FILM SILVER CONDUCTOR COMPOSITION FOR USE IN RFID AND OTHER APPLICATIONS
EL0554 -DE-EPT	Germany	Euro-PCT Application	23 Nov 2009	09760418.5	19 Sep 2012	60200900983 6.5	HIGH CONDUCTIVITY POLYMER THICK FILM SILVER CONDUCTOR COMPOSITION FOR USE IN RFID AND OTHER APPLICATIONS
EL0554 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Nov 2009	09760418.5	19 Sep 2012	2350176	HIGH CONDUCTIVITY POLYMER THICK FILM SILVER CONDUCTOR COMPOSITION FOR USE IN RFID AND OTHER APPLICATIONS
EL0554 -FR-EPT	France	Euro-PCT Application	23 Nov 2009	09760418.5	19 Sep 2012	2350176	HIGH CONDUCTIVITY POLYMER THICK FILM SILVER CONDUCTOR COMPOSITION FOR USE IN RFID AND OTHER APPLICATIONS
EL0554 -JP-PCT	Japan	PCT Application	23 Nov 2009	537679/11	24 Jan 2014	5462274	HIGH CONDUCTIVITY POLYMER THICK FILM SILVER CONDUCTOR COMPOSITION FOR USE IN RFID AND OTHER APPLICATIONS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0554 -US-NP	United States Of America	National Patent	24 Nov 2008	12/276662	28 Dec 2010	7857998	HIGH CONDUCTIVITY POLYMER THICK FILM SILVER CONDUCTOR COMPOSITION FOR USE IN RFID AND OTHER APPLICATIONS
EL0571 -CN-NP	China	National Patent	25 Apr 2006	200610077666.2	12 Oct 2011	200610077666.2	THICK FILM CONDUCTOR COMPOSITIONS AND THE USE THEREOF IN LTCC CIRCUITS AND DEVICES
EL0571 -US-NP	United States Of America	National Patent	05 Apr 2006	11/398337	03 Nov 2009	7611645	THICK FILM CONDUCTOR COMPOSITIONS AND THE USE THEREOF IN LTCC CIRCUITS AND DEVICES
EL0578 -US-NP	United States Of America	National Patent	19 Oct 2004	10/967986	28 Aug 2007	7261841	THICK FILM CONDUCTOR CASE COMPOSITIONS FOR LTCC TAPE
EL0591 -US-CIP	United States Of America	Continuation-in-Part	12 Jun 2006	11/451099	25 May 2010	7722732	THICK FILM PASTE VIA FILL COMPOSITION FOR USE IN LTCC APPLICATIONS
EL0595 -US-NP	United States Of America	National Patent	13 Jun 2006	11/451763	24 Nov 2009	7621041	METHODS FOR FORMING MULTILAYER STRUCTURES
EL0598 -US-NP	United States Of America	National Patent	31 May 2007	11/809486	19 Jan 2010	7648557	PROCESS FOR MAKING HIGHLY DISPERSIBLE SPHERICAL SILVER POWDER PARTICLES AND SILVER PARTICLES FORMED THEREFROM
EL0605 -CN-NP	China	National Patent	07 Jun 2006	200610091549.1	05 Aug 2009	200610091549.1	ALUMINUM THICK FILM COMPOSITION(S), ELECTRODE(S), SEMICONDUCTOR DEVICE(S), AND METHODS OF MAKING THEREOF
EL0606 -CN-NP	China	National Patent	14 Apr 2006	200610074808.X	04 Jan 2012	200610074808.X	ELECTROCONDUCTIVE THICK FILM COMPOSITION(S), ELECTRODE(S), AND SEMICONDUCTOR DEVICE(S) FORMED THEREFROM

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0606 -US-DIV[1]	United States Of America	National Patent Divisional	24 Sep 2010	12/834968	28 Feb 2012	8123985	ELECTROCONDUCTIVE THICK FILM COMPOSITION(S), ELECTRODE(S), AND SEMICONDUCTOR DEVICE(S) FORMED THEREFROM
EL0606 -US-NP	United States Of America	National Patent	14 Apr 2005	11/106262	24 Feb 2009	7494607	ELECTROCONDUCTIVE THICK FILM COMPOSITION(S), ELECTRODE(S), AND SEMICONDUCTOR DEVICE(S) FORMED THEREFROM
EL0607 -US-DIV	United States Of America	National Patent Divisional	07 Dec 2007	11/999835	22 Jun 2010	7740725	THICK FILM CONDUCTOR PASTE COMPOSITIONS FOR LTCC TAPE IN MICROWAVE APPLICATIONS
EL0607 -US-NP	United States Of America	National Patent	05 Apr 2006	11/398141	05 Feb 2008	7326367	THICK FILM CONDUCTOR PASTE COMPOSITIONS FOR LTCC TAPE IN MICROWAVE APPLICATIONS
EL0614 -US-NP	United States Of America	National Patent	16 Nov 2006	11/601136	23 Feb 2010	7666328	THICK FILM CONDUCTOR COMPOSITION(S) AND PROCESSING TECHNOLOGY THEREOF FOR USE IN MULTILAYER ELECTRONIC CIRCUITS AND DEVICES
EL0638 -CN-NP	China	National Patent	11 Oct 2006	2006101362 05.8	19 Jan 2011	20061013620 5.8	ALUMINUM THICK FILM COMPOSITION(S), ELECTRODE(S), SEMICONDUCTOR DEVICE(S) AND METHODS OF MAKING THEREOF
EL0640 -US-CNT	United States Of America	Continuation	24 Mar 2010	12/730309	14 Dec 2010	7851012	PASTE FOR SOLAR CELL ELECTRODES, METHOD FOR THE MANUFACTURE OF SOLAR CELL ELECTRODES, AND THE SOLAR CELL
EL0655 -US-DIV	United States Of America	National Patent Divisional	26 Aug 2009	12/547814	03 Aug 2010	7767254	PASTE FOR SOLAR CELL ELECTRODE AND SOLAR CELL
EL0655 -US-PCT	United States Of America	PCT Application	01 Aug 2006	12/162509	19 Jan 2010	7648730	PASTE FOR SOLAR CELL ELECTRODE AND SOLAR CELL

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0665 -US-NP	United States Of America	National Patent	10 Aug 2007	11/891366	29 Apr 2014	8710523	DEVICE CHIP CARRIERS, MODULES, AND METHODS OF FORMING THEREOF
EL0709 -US-DIV	United States Of America	National Patent Divisional	16 Mar 2010	12/724511	14 Jun 2011	7959831	PASTE FOR BACK CONTACT-TYPE SOLAR CELL
EL0709 -US-DIV[3]	United States Of America	National Patent Divisional	27 Apr 2011	13/095091	01 May 2012	8168886	PASTE FOR BACK CONTACT-TYPE SOLAR CELL
EL0730 -US-DIV	United States Of America	National Patent Divisional	09 Mar 2010	12/719961	01 Mar 2011	7897066	CONDUCTOR PASTE FOR CERAMIC SUBSTRATE AND ELECTRIC CIRCUIT
EL0730 -US-DIV[1]	United States Of America	National Patent Divisional	26 Jan 2011	13/014256	25 Oct 2011	8043536	CONDUCTOR PASTE FOR CERAMIC SUBSTRATE AND ELECTRIC CIRCUIT
EL0730 -US-NP	United States Of America	National Patent	29 Jun 2007	11/824194	27 Apr 2010	7704416	CONDUCTOR PASTE FOR CERAMIC SUBSTRATE AND ELECTRIC CIRCUIT
EL0731 -US-NP	United States Of America	National Patent	10 Jul 2007	11/825927	13 Apr 2010	7697266	CONDUCTIVE PASTE FOR SOLID ELECTROLYTIC CAPACITOR ELECTRODE AND PROCESS FOR PRODUCING SOLID ELECTROLYTIC CAPACITOR ELECTRODE USING THE SAME
EL0738 -US-NP	United States Of America	National Patent	20 Oct 2008	12/254189	08 Oct 2013	8552558	CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0740 -TW-NP	Taiwan	National Patent	04 Dec 2008	097147203	11 Oct 2016	1554149	BENDABLE CIRCUIT STRUCTURE FOR LED MOUNTING AND INTERCONNECTION
EL0740 -US-CNT[2]	United States Of America	Continuation	13 Aug 2013	13/965778	29 Apr 2014	8707551	BENDABLE CIRCUIT BOARD FOR LED MOUNTING AND INTERCONNECTION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0747 -CN- PCT	China	PCT Applicati on	17 Apr 2009	2009801129 01.7	02 Jan 2013	20098011290 1.7	SURFACE-MODIFIED RUTHENIUM OXIDE CONDUCTIVE MATERIAL, LEAD-FREE GLASS(ES), THICK FILM RESISTOR PASTE(S), AND DEVICES MADE THEREFROM
EL0752 -US-NP	United States Of America	National Patent	20 Oct 2008	12/254264	29 May 2012	8187505	CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES: FLUX MATERIALS
EL0754 -US- DIV	United States Of America	National Patent Divisional	20 Jul 2010	12/839653	16 Aug 2011	7998371	CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES: MG- CONTAINING ADDITIVE
EL0754 -US-NP	United States Of America	National Patent	20 Oct 2008	12/254246	07 Sep 2010	7790065	CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES: MG- CONTAINING ADDITIVE
EL0756 -US-NP	United States Of America	National Patent	20 Oct 2008	12/254330	24 Aug 2010	7780878	LEAD-FREE CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES: MG- CONTAINING ADDITIVE
EL0759 -US-NP	United States Of America	National Patent	20 Oct 2008	12/254297	24 Jul 2012	8226856	LEAD-FREE CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES: FLUX MATERIALS
EL0760 -US-NP	United States Of America	National Patent	30 Oct 2007	11/980297	19 Jan 2010	7648655	CONDUCTIVE COMPOSITION FOR BLACK BUS ELECTRODE, AND FRONT PANEL OF PLASMA DISPLAY PANEL

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EL0764 -US-NP	United States Of America	National Patent	17 Jan 2008	12/009305	25 Oct 2011	8044330	ELECTRICALLY CONDUCTIVE ADHESIVE
EL0766 -US-CNT	United States Of America	Continuation	08 Mar 2010	12/719178	12 Jul 2011	7976735	CONDUCTIVE PASTE AND GRID ELECTRODE FOR SILICON SOLAR CELLS
EL0766 -US-DIV	United States Of America	National Patent Divisional	19 May 2011	13/111025	15 May 2012	8178007	CONDUCTIVE PASTE AND GRID ELECTRODE FOR SILICON SOLAR CELLS
EL0766 -US-DIV[1]	United States Of America	National Patent Divisional	19 May 2011	13/111037	03 Apr 2012	8148630	CONDUCTIVE PASTE AND GRID ELECTRODE FOR SILICON SOLAR CELLS
EL0790 -CN-PCT	China	PCT Application	17 Apr 2009	2009801138 20.9	07 May 2014	20098011382 0.9	RESISTOR COMPOSITIONS USING A CU-CONTAINING GLASS FRIT
EL0790 -JP-PCT	Japan	PCT Application	17 Apr 2009	505230/11	08 Nov 2013	5406277	RESISTOR COMPOSITIONS USING A CU-CONTAINING GLASS FRIT
EL0790 -US-NP	United States Of America	National Patent	17 Apr 2009	12/425742	13 Mar 2012	8133413	RESISTOR COMPOSITIONS USING A CU-CONTAINING GLASS FRIT
EL0793 -US-DIV	United States Of America	National Patent Divisional	02 Jun 2011	13/151623	03 Jan 2012	8088993	SOLAR CELL ELECTRODE
EL0793 -US-DIV[1]	United States Of America	National Patent Divisional	02 Jun 2011	13/151632	24 Jan 2012	8101853	SOLAR CELL ELECTRODE
EL0793 -US-DIV[2]	United States Of America	National Patent Divisional	02 Jun 2011	13/151642	24 Jan 2012	8101854	SOLAR CELL ELECTRODE
EL0793 -US-NP	United States Of America	National Patent	10 Sep 2008	12/207652	12 Jul 2011	7976734	SOLAR CELL ELECTRODE
EL0794 -CN-PCT	China	PCT Application	17 Apr 2009	2009801129 02.1	07 May 2014	20098011290 2.1	LEAD-FREE RESISTIVE COMPOSITION
EL0794 -US-NP	United States Of America	National Patent	16 Apr 2009	12/425048	04 Sep 2012	8257619	LEAD-FREE RESISTIVE COMPOSITION

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EL0796 -US-NP	United States Of America	National Patent	19 May 2009	12/468093	23 Aug 2011	8002603	CO-PROCESSABLE PHOTOIMAGEABLE SILVER AND CARBON NANOTUBE COMPOSITIONS AND METHOD FOR FIELD EMISSION DEVICES
EL0798 -US-CNT	United States Of America	Continuation	13 Apr 2012	13/446619	09 Jul 2013	8482089	CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES - ORGANIC MEDIUM COMPONENTS
EL0798 -US-CNT[2]	United States Of America	Continuation	13 Mar 2013	13/800333	29 Dec 2015	9224885	CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES - ORGANIC MEDIUM COMPONENTS
EL0798 -US-NP	United States Of America	National Patent	28 May 2009	12/473586	17 Apr 2012	8158504	CONDUCTIVE COMPOSITIONS AND PROCESSES FOR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES - ORGANIC MEDIUM COMPONENTS
EL0801 -US-NP	United States Of America	National Patent	28 May 2009	12/473339	06 Mar 2012	8128846	SILVER COMPOSITION FOR MICRO-DEPOSITION DIRECT WRITING SILVER CONDUCTOR LINES ON PHOTOVOLTAIC WAFERS
EL0806 -US-NP	United States Of America	National Patent	28 May 2009	12/473340	30 Aug 2011	8008179	METHODS USING SILVER COMPOSITIONS FOR MICRO-DEPOSITION DIRECT WRITING SILVER CONDUCTOR LINES ON PHOTOVOLTAIC WAFERS
EL0807 -US-CNT	United States Of America	Continuation	24 Apr 2012	13/454836	10 Jun 2014	8748304	DEVICES CONTAINING SILVER COMPOSITIONS DEPOSITED BY MICRO-DEPOSITION DIRECT WRITING SILVER CONDUCTOR LINES
EL0810 -US-NP	United States Of America	National Patent	04 Sep 2009	12/554096	19 Mar 2013	8398896	ALUMINUM PASTES AND USE THEREOF IN THE PRODUCTION OF SILICON SOLAR CELLS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0811 -CN- PCT[2]	China	PCT Applicati on	08 Jun 2009	2009801213 53.4			GLASS COMPOSITIONS USED IN CONDUCTORS FOR PHOTOVOLTAIC CELLS
EL0811 -DE- EPT[2]	Germany	Euro- PCT Applicati on	08 Jun 2009	09759596.1	24 Apr 2013	60200901525 9.9	GLASS COMPOSITIONS USED IN CONDUCTORS FOR PHOTOVOLTAIC CELLS
EL0811 -EP- EPT[2]	European Procedur e (Patents)	Euro- PCT Applicati on	08 Jun 2009	09759596.1	24 Apr 2013	2315728	GLASS COMPOSITIONS USED IN CONDUCTORS FOR PHOTOVOLTAIC CELLS
EL0811 -US- NP[2]	United States Of America	National Patent	08 Jun 2009	12/479965	13 Dec 2011	8076777	GLASS COMPOSITIONS USED IN CONDUCTORS FOR PHOTOVOLTAIC CELLS
EL0812 -US-NP	United States Of America	National Patent	19 Nov 2009	12/621729	31 Jul 2012	8231934	CONDUCTIVE PASTE FOR SOLAR CELL ELECTRODE
EL0813 -US- CNT	United States Of America	Continua tion	21 Apr 2014	14/257306	05 Apr 2016	9307649	MIXED-METAL SYSTEM CONDUCTORS FOR USE IN LOW-TEMPERATURE CO- FIRED CERAMIC CIRCUITS AND DEVICES
EL0813 -US-NP	United States Of America	National Patent	29 Dec 2010	12/981196	22 Apr 2014	8704105	MIXED-METAL SYSTEM CONDUCTORS FOR LTCC (LOW-TEMPERATURE CO- FIRED CERAMICS)
EL0817 -US-NP	United States Of America	National Patent	19 Sep 2008	12/234341	23 Oct 2012	8292986	PREPARATION OF SILVER SPHERES BY THE REDUCTION OF SILVER POLYAMINE COMPLEXES
EL0827 -US-NP	United States Of America	National Patent	12 Aug 2009	12/539677	23 Sep 2014	8840701	MULTI-ELEMENT METAL POWDERS FOR SILICON SOLAR CELLS
EL0833 -US-NP	United States Of America	National Patent	01 Oct 2009	12/571665	17 Dec 2013	8609256	NICKEL-GOLD PLATEABLE THICK FILM SILVER PASTE, AND PLATING PROCESS FOR LOW TEMPERATURE CO FIRED CERAMIC DEVICES AND LTCC DEVICES MADE THEREFROM
EL0842 -JP-NP	Japan	National Patent	10 Jun 2009	139413/09	06 Dec 2013	5426241	FRONT AND BACK SIDE ELECTRODES OF CHIP REGISTER

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0852 -US-NP	United States Of America	National Patent	23 Dec 2008	12/342163	15 Feb 2011	7887992	PHOTOSENSITIVE PASTE AND PROCESS FOR PRODUCTION OF PATTERN USING THE SAME
EL0860 -US-NP	United States Of America	National Patent	03 Mar 2009	12/396792	10 Jul 2012	8216340	METHOD FOR PRODUCING DISPERSED, CRYSTALLINE, STABLE TO OXIDATION COPPER PARTICLES
EL0863 -US-NP	United States Of America	National Patent	06 Apr 2010	12/754655	11 Sep 2012	8263858	SOLAR CELL ELECTRODE
EL0872 -US-NP	United States Of America	National Patent	18 Mar 2010	12/726693	18 Jun 2013	8465794	GLASS COMPOSITIONS USED IN CONDUCTORS FOR PHOTOVOLTAIC CELLS
EL0884 -CN-PCT	China	PCT Application	20 May 2010	2010800223 16.0	07 Jan 2015	20108002231 6.0	PROCESS OF FORMING A GRID ELECTRODE ON THE FRONT-SIDE OF A SILICON WAFER
EL0884 -JP-PCT	Japan	PCT Application	20 May 2010	512017/12	11 Mar 2016	5898065	PROCESS OF FORMING A GRID ELECTRODE ON THE FRONT-SIDE OF A SILICON WAFER
EL0884 -US-DIV	United States Of America	National Patent Divisional	14 Jun 2013	13/917753	09 Jun 2015	9054239	PROCESS OF FORMING A GRID ELECTRODE ON THE FRONT-SIDE OF A SILICON WAFER
EL0884 -US-NP	United States Of America	National Patent	20 May 2010	12/783761	16 Jul 2013	8486826	PROCESS OF FORMING A GRID ELECTRODE ON THE FRONT-SIDE OF A SILICON WAFER
EL0889 -CN-PCT	China	PCT Application	01 Jul 2010	2010800275 28.8	23 Jul 2014	20108002752 8.8	ELECTRODE AND METHOD FOR MANUFACTURING THE SAME
EL0889 -JP-PCT	Japan	PCT Application	01 Jul 2010	517905/12	28 Nov 2014	5654588	ELECTRODE AND METHOD FOR MANUFACTURING THE SAME
EL0889 -US-NP	United States Of America	National Patent	02 Jul 2009	12/496920	06 Mar 2012	8129088	ELECTRODE AND METHOD FOR MANUFACTURING THE SAME
EL0904 -US-NP	United States Of America	National Patent	20 May 2010	12/783948	11 Dec 2012	8329772	UV-CURABLE POLYMER THICK FILM DIELECTRIC COMPOSITIONS WITH EXCELLENT ADHESION TO ITO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0907 -CN- PCT	China	PCT Applicati on	11 Jun 2010	2010800256 59.2	22 Apr 2015	20108002565 9.2	INK JETTABLE SILVER/SILVER CHLORIDE COMPOSITIONS
EL0907 -DE- EPT	Germany	Euro- PCT Applicati on	11 Jun 2010	10724671.2	19 Nov 2014	60201002036 4.6	INK JETTABLE SILVER/SILVER CHLORIDE COMPOSITIONS
EL0907 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	11 Jun 2010	10724671.2	19 Nov 2014	2440624	INK JETTABLE SILVER/SILVER CHLORIDE COMPOSITIONS
EL0907 -GB- EPT	United Kingdom	Euro- PCT Applicati on	11 Jun 2010	10724671.2	19 Nov 2014	2440624	INK JETTABLE SILVER/SILVER CHLORIDE COMPOSITIONS
EL0907 -JP- PCT	Japan	PCT Applicati on	11 Jun 2010	515180/12	10 Oct 2014	5628908	INK JETTABLE SILVER/SILVER CHLORIDE COMPOSITIONS
EL0907 -US- PCT	United States Of America	PCT Applicati on	11 Jun 2010	13/383491	09 Feb 2016	9255208	INK JETTABLE SILVER/SILVER CHLORIDE COMPOSITIONS
EL0914 -US- DIV	United States Of America	National Patent Division al	18 Feb 2015	14/624816			ALUMINUM PASTES AND USE THEREOF IN THE PRODUCTION OF PASSIVATED EMITTER AND REAR CONTACT SILICON SOLAR CELLS
EL0914 -US-NP	United States Of America	National Patent	23 Nov 2010	12/952694	07 Apr 2015	8999203	ALUMINUM PASTES AND USE THEREOF IN THE PRODUCTION OF PASSIVATED EMITTER AND REAR CONTACT SILICON SOLAR CELLS
EL0918 -CN- PCT	China	PCT Applicati on	17 Sep 2010	2010800430 19.4	03 Feb 2016	20108004301 9.4	POLYMER THICK FILM SILVER ELECTRODE COMPOSITION FOR USE AS A PLATING LINK
EL0918 -DE- EPT	Germany	Euro- PCT Applicati on	17 Sep 2010	10757906.2	15 Jul 2015	60201002592 6.9	POLYMER THICK FILM SILVER ELECTRODE COMPOSITION FOR USE AS A PLATING LINK
EL0918 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	17 Sep 2010	10757906.2	15 Jul 2015	2481060	POLYMER THICK FILM SILVER ELECTRODE COMPOSITION FOR USE AS A PLATING LINK

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0918 -US-NP	United States Of America	National Patent	17 Sep 2010	12/884517	22 Oct 2013	8562808	POLYMER THICK FILM SILVER ELECTRODE COMPOSITION FOR USE AS A PLATING LINK
EL0923 -US-NP	United States Of America	National Patent	24 Nov 2010	12/954039	17 May 2016	9343194	PROCESS FOR THE FORMATION OF A SILVER BACK ELECTRODE OF A PASSIVATED EMITTER AND REAR CONTACT SILICON SOLAR CELL
EL0926 -CN-PCT	China	PCT Application	28 Jan 2011	2011800066 63.9	01 Jun 2016	20118000666 3.9	METHOD OF MANUFACTURING HIGH FREQUENCY RECEIVING AND/OR TRANSMITTING DEVICES FROM LOW TEMPERATURE CO-FIRED CERAMIC MATERIALS AND DEVICES MADE THEREFROM
EL0926 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Jan 2011	11704353.9			METHOD OF MANUFACTURING HIGH FREQUENCY RECEIVING AND/OR TRANSMITTING DEVICES FROM LOW TEMPERATURE CO-FIRED CERAMIC MATERIALS AND DEVICES MADE THEREFROM
EL0926 -US-NP	United States Of America	National Patent	27 Jan 2011	13/015254	21 Jan 2014	8633858	METHOD OF MANUFACTURING HIGH FREQUENCY RECEIVING AND/OR TRANSMITTING DEVICES FROM LOW TEMPERATURE CO-FIRED CERAMIC MATERIALS AND DEVICES MADE THEREFROM
EL0936 -US-DIV	United States Of America	National Patent Divisional	01 Dec 2011	13/308622	05 Nov 2013	8575260	POLYMER THICK FILM ENCAPSULANT AND ENHANCED STABILITY PTC CARBON SYSTEM
EL0936 -US-NP	United States Of America	National Patent	21 Apr 2010	12/764185	10 Jan 2012	8093328	POLYMER THICK FILM ENCAPSULANT AND ENHANCED STABILITY PTC CARBON SYSTEM
EL0937 -US-DIV	United States Of America	National Patent Divisional	06 Jan 2014	14/147713	03 Jun 2014	8741167	ETCHING COMPOSITION AND ITS USE IN A METHOD OF MAKING A PHOTOVOLTAIC CELL

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0939 -US-DIV	United States Of America	National Patent Divisional	27 Feb 2014	14/191880	30 Dec 2014	8921963	PROCESSES AND COMPOSITIONS FOR FORMING PHOTOVOLTAIC DEVICES WITH BASE METAL BUSS BARS
EL0939 -US-NP	United States Of America	National Patent	08 Apr 2011	13/082441	15 Apr 2014	8697476	PROCESSES AND COMPOSITIONS FOR FORMING PHOTOVOLTAIC DEVICES WITH BASE METAL BUSS BARS
EL0940 -US-NP	United States Of America	National Patent	08 Feb 2011	13/022799	09 Jun 2015	9054242	PROCESS FOR THE PRODUCTION OF A MWT SILICON SOLAR CELL
EL0942 -US-NP	United States Of America	National Patent	30 Aug 2010	12/871167	05 Feb 2013	8366799	SILVER PARTICLES AND A PROCESS FOR MAKING THEM
EL0953 -US-NP	United States Of America	National Patent	01 Jun 2011	13/150631	18 Nov 2014	8888889	METHOD OF MAKING NON-HOLLOW, NON-FRAGMENTED SPHERICAL METAL OR METAL ALLOY PARTICLES
EL0958 -JP-PCT	Japan	PCT Application	13 Sep 2011	539838/13	23 Oct 2015	5827341	REACTOR AND CONTINUOUS PROCESS FOR PRODUCING SILVER POWDERS
EL0960 -CN-PCT	China	PCT Application	06 Apr 2012	2012800143 31.X	06 Jul 2016	20128001433 1.X	METHOD OF MANUFACTURING SOLAR CELL ELECTRODE
EL0963 -US-CNT	United States Of America	Continuation	30 Dec 2013	14/143301	30 Aug 2016	9431148	IMPROVED THICK FILM RESISTIVE HEATER COMPOSITIONS COMPRISING AG & RUO ₂ , AND METHODS OF MAKING SAME
EL0963 -US-NP	United States Of America	National Patent	09 Nov 2011	13/292642	31 Dec 2013	8617428	IMPROVED THICK FILM RESISTIVE HEATER COMPOSITIONS COMPRISING AG & RUO ₂ , AND METHODS OF MAKING SAME
EL0964 -US-NP	United States Of America	National Patent	16 Jan 2012	13/350973	20 May 2014	8728355	ELECTRODE AND METHOD FOR MANUFACTURING THE SAME

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0967 -US-NP	United States Of America	National Patent	30 May 2012	13/483837	03 Jun 2014	8742262	LOW TEMPERATURE CO-FIRED CERAMIC STRUCTURE FOR HIGH FREQUENCY APPLICATIONS AND PROCESS FOR MAKING SAME
EL0975 -US-NP	United States Of America	National Patent	30 Jan 2012	13/361558	29 Apr 2014	8709294	ELECTRODE AND METHOD FOR MANUFACTURING THE SAME
EL0979 -CN-PCT	China	PCT Application	04 May 2011	2011800323 59.1	16 Dec 2015	20118003235 9.1	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0979 -DE-EPT	Germany	Euro-PCT Application	04 May 2011	11731537.4	16 Nov 2016	60201103246 6.7	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0979 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	04 May 2011	11731537.4	16 Nov 2016	2566825	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0979 -HK-FPR	Hong Kong	Foreign Patent Registration	04 Jul 2013	13107991.9	27 Jan 2017	1180672	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0979 -JP-PCT	Japan	PCT Application	04 May 2011	509209/13	13 Mar 2015	5711359	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0979 -KR- PCT	South Korea / Republic of Korea	PCT Application	04 May 2011	10-2012-7031579	10 Nov 2015	10-1569566	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0979 -TW- NP	Taiwan	National Patent	04 May 2011	100115705	01 Sep 2015	I498308	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0979 -US-NP	United States Of America	National Patent	04 May 2011	13/100540	18 Nov 2014	8889979	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -CN- PCT	China	PCT Application	04 May 2011	201180031184.2	16 Mar 2016	201180031184.2	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-BORON-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -DE- EPT	Germany	Euro-PCT Application	04 May 2011	11731162.1	05 Oct 2016	602011030964.1	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-BORON-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	04 May 2011	11731162.1	05 Oct 2016	2566823	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-BORON-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0985 -FR- EPT	France	Euro-PCT Applicati on	04 May 2011	11731162.1	05 Oct 2016	2566823	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-BORON- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -GB- EPT	United Kingdom	Euro-PCT Applicati on	04 May 2011	11731162.1	05 Oct 2016	2566823	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-BORON- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -HK- FPR	Hong Kong	Foreign Patent Registrat ion	25 Jun 2013	13107433.5	09 Jun 2017	1180295	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-BORON- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -JP- PCT	Japan	PCT Applicati on	04 May 2011	509210/13	15 May 2015	5746325	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-BORON- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	04 May 2011	10-2012- 7031580	10 Nov 2015	10-1569567	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-BORON- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -TW- NP	Taiwan	National Patent	04 May 2011	100115703	01 Jan 2017	1564351	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-BORON- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0985 -US- CNT	United States Of America	Continua tion	13 Mar 2013	13/800861			THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-BORON- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0985 -US-NP	United States Of America	National Patent	04 May 2011	13/100550	25 Nov 2014	8895843	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-BORON-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -CN-PCT	China	PCT Application	04 May 2011	201180032701.8	06 Jun 2017	201180032701.8	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -DE-EPT	Germany	Euro-PCT Application	04 May 2011	11731539.0	30 Nov 2016	602011032916.2	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	04 May 2011	11731539.0	30 Nov 2016	2566826	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -FR-EPT	France	Euro-PCT Application	04 May 2011	11731539.0	30 Nov 2016	2566826	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -GB-EPT	United Kingdom	Euro-PCT Application	04 May 2011	11731539.0	30 Nov 2016	2566826	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -HK-FPR	Hong Kong	Foreign Patent Registration	09 Jul 2013	13107986.6	01 Jun 2018	1180671	THICK-FILM PASTES CONTAINING LEAD-TELLURIUM-LITHIUM-OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0988 -JP- PCT	Japan	PCT Applicati on	04 May 2011	509212/13	21 Feb 2014	5480448	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-LITHIUM- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	04 May 2011	10-2012- 7031581	10 Nov 2015	10-1569568	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-LITHIUM- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -TW- NP	Taiwan	National Patent	04 May 2011	100115700	01 Jul 2017	1589649	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-LITHIUM- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -US- CNT	United States Of America	Continua tion	13 Mar 2013	13/801248	01 Aug 2017	9722100	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-LITHIUM- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -US- CNT[2]	United States Of America	Continua tion	23 Jun 2017	15/631005			THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-LITHIUM- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0988 -US-NP	United States Of America	National Patent	04 May 2011	13/100563	18 Nov 2014	8889980	THICK-FILM PASTES CONTAINING LEAD- TELLURIUM-LITHIUM- OXIDES, AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0990 -CN- PCT	China	PCT Applicati on	05 Apr 2012	2012800152 16.4	08 May 2018	20128001521 6.4	THICK FILM PASTE CONTAINING BISMUTH- TELLURIUM-OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL0990 -US-NP	United States Of America	National Patent	03 Apr 2012	13/438070	14 Oct 2014	8858842	THICK FILM PASTE CONTAINING BISMUTH-TELLURIUM-OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0990 -US-NP[2]	United States Of America	National Patent	03 Apr 2012	13/438093	20 Aug 2013	8512463	THICK FILM PASTE CONTAINING BISMUTH-TELLURIUM-OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0992 -US-NP	United States Of America	National Patent	15 May 2012	13/472101	29 Jul 2014	8790550	LOW TEMPERATURE FIREABLE THICK FILM SILVER PASTE
EL0994 -US-NP	United States Of America	National Patent	26 Apr 2012	13/438124	30 Sep 2014	8845932	THICK FILM PASTE CONTAINING BISMUTH-TELLURIUM-OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL0995 -US-NP	United States Of America	National Patent	11 Jul 2012	13/546223	15 Apr 2014	8696948	THICK FILM PASTE CONTAINING LEAD-TELLURIUM-LITHIUM-TITANIUM-OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1003 -US-NP	United States Of America	National Patent	14 Aug 2012	13/585049	06 Aug 2013	8502067	METHOD OF MANUFACTURING SOLAR CELL ELECTRODE AND CONDUCTIVE PASTE
EL1008 -US-NP	United States Of America	National Patent	20 Jun 2012	13/528325	26 Aug 2014	8815125	A METHOD OF MANUFACTURING A RESISTOR PASTE
EL1012 -CN-PCT	China	PCT Application	01 Jun 2012	2012800248 80.5	30 Mar 2016	20128002488 0.5	SOLDERABLE POLYMER THICK FILM CONDUCTIVE ELECTRODE COMPOSITION FOR USE IN THIN-FILM PHOTOVOLTAIC CELLS AND OTHER APPLICATIONS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1012 -DE- EPT	Germany	Euro-PCT Application	01 Jun 2012	12727970.1	22 Jul 2015	602012008970.9	SOLDERABLE POLYMER THICK FILM CONDUCTIVE ELECTRODE COMPOSITION FOR USE IN THIN-FILM PHOTOVOLTAIC CELLS AND OTHER APPLICATIONS
EL1012 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	01 Jun 2012	12727970.1	22 Jul 2015	2715741	SOLDERABLE POLYMER THICK FILM CONDUCTIVE ELECTRODE COMPOSITION FOR USE IN THIN-FILM PHOTOVOLTAIC CELLS AND OTHER APPLICATIONS
EL1012 -JP- PCT	Japan	PCT Application	01 Jun 2012	2014-513743	01 Jul 2016	5960804	SOLDERABLE POLYMER THICK FILM CONDUCTIVE ELECTRODE COMPOSITION FOR USE IN THIN-FILM PHOTOVOLTAIC CELLS AND OTHER APPLICATIONS
EL1012 -US- DIV	United States Of America	National Patent Divisional	09 Apr 2014	14/248918	05 May 2015	9024179	SOLDERABLE POLYMER THICK FILM CONDUCTIVE ELECTRODE COMPOSITION FOR USE IN THIN-FILM PHOTOVOLTAIC CELLS AND OTHER APPLICATIONS
EL1012 -US-NP	United States Of America	National Patent	01 Jun 2011	13/150648	22 Apr 2014	8704087	SOLDERABLE POLYMER THICK FILM CONDUCTIVE ELECTRODE COMPOSITION FOR USE IN THIN-FILM PHOTOVOLTAIC CELLS AND OTHER APPLICATIONS
EL1016 -CN- PCT	China	PCT Application	27 Jun 2012	201280031231.8			THICK FILM PASTE AND USE THEREOF

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1016 -DE- EPT	Germany	Euro-PCT Application	27 Jun 2012	12735704.4	21 Jun 2017	60201203370 5.2	THICK FILM PASTE AND USE THEREOF
EL1016 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	27 Jun 2012	12735704.4	21 Jun 2017	2727121	THICK FILM PASTE AND USE THEREOF
EL1016 -JP- PCT	Japan	PCT Application	27 Jun 2012	2014-518980	19 May 2017	6144675	THICK FILM PASTE AND USE THEREOF
EL1016 -US- CNT	United States Of America	Continuation	17 Aug 2017	15/679544			THICK FILM PASTE AND USE THEREOF
EL1016 -US-NP	United States Of America	National Patent	26 Jun 2012	13/532903	10 Oct 2017	9783874	THICK FILM PASTE AND USE THEREOF
EL1019 -US-NP	United States Of America	National Patent	07 Jan 2013	13/735602	17 Feb 2015	8956557	THICK FILM SILVER PASTE CONTAINING COPPER AND LEAD-TELLURIUM-OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1020 -CN- PCT	China	PCT Application	13 Aug 2012	2012800366 39.4	14 Dec 2016	20128003663 9.4	CONDUCTIVE COMPOSITIONS CONTAINING LI2RUO3 AND ION-EXCHANGED LI2RUO3 AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1020 -DE- EPT	Germany	Euro-PCT Application	13 Aug 2012	12750673.1	28 Jun 2017	60201203396 8.3	CONDUCTIVE COMPOSITIONS CONTAINING LI2RUO3 AND ION-EXCHANGED LI2RUO3 AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1020 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	13 Aug 2012	12750673.1	28 Jun 2017	2758967	CONDUCTIVE COMPOSITIONS CONTAINING LI2RUO3 AND ION-EXCHANGED LI2RUO3 AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1020 -JP- PCT	Japan	PCT Applicati on	13 Aug 2012	2014- 526119	02 Dec 2016	6050357	CONDUCTIVE COMPOSITIONS CONTAINING LI ₂ RUO ₃ AND ION-EXCHANGED LI ₂ RUO ₃ AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1020 -US-NP	United States Of America	National Patent	07 Aug 2012	13/568260	19 Aug 2014	8808581	CONDUCTIVE COMPOSITIONS CONTAINING LI ₂ RUO ₃ AND ION-EXCHANGED LI ₂ RUO ₃ AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1021 -US-NP	United States Of America	National Patent	02 Nov 2012	13/667047	07 Jul 2015	9076919	A PROCESS OF FORMING AN ALUMINUM P-DOPED SURFACE REGION OF A SEMICONDUCTOR SUBSTRATE
EL1022 -US-NP	United States Of America	National Patent	02 Nov 2012	13/667054	06 Jan 2015	8927428	A PROCESS OF FORMING AN ALUMINUM P-DOPED SURFACE REGION OF AN N-DOPED SEMICONDUCTOR SUBSTRATE
EL1025 -US-NP	United States Of America	National Patent	13 Aug 2012	13/572871	23 Dec 2014	8916069	CONDUCTIVE COMPOSITIONS CONTAINING RHODIUM AND PB-TE-O AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1026 -US-NP	United States Of America	National Patent	25 Sep 2012	13/625930	05 May 2015	9023254	THICK FILM SILVER PASTE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1027 -CN- PCT	China	PCT Applicati on	29 Aug 2012	2012800414 29.4			COMPOSITIONS FOR LOW K, LOW TEMPERATURE CO-FIRED COMPOSITE (LTCC) TAPES AND LOW SHRINKAGE, MULTI- LAYER LTCC STRUCTURES FORMED THEREFROM

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1028 -CN- PCT	China	PCT Applicati on	18 Sep 2012	2012800455 23.7	24 Aug 2016	20128004552 3.7	THERMOFORMABLE POLYMER THICK FILM SILVER CONDUCTOR FOR CAPACITIVE SWITCHES
EL1028 -DE- EPT	Germany	Euro- PCT Applicati on	18 Sep 2012	12769557.5	04 Jul 2018	60201204811 6.1	THERMOFORMABLE POLYMER THICK FILM SILVER CONDUCTOR FOR CAPACITIVE SWITCHES
EL1028 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	18 Sep 2012	12769557.5	04 Jul 2018	2758968	THERMOFORMABLE POLYMER THICK FILM SILVER CONDUCTOR FOR CAPACITIVE SWITCHES
EL1028 -JP- PCT	Japan	PCT Applicati on	18 Sep 2012	2014- 530950	02 Dec 2016	6050365	THERMOFORMABLE POLYMER THICK FILM SILVER CONDUCTOR FOR CAPACITIVE SWITCHES
EL1028 -US- CIP[1]	United States Of America	Continua tion-in- Part	10 Oct 2013	14/050525	08 Apr 2014	8692131	THERMOFORMABLE POLYMER THICK FILM SILVER CONDUCTOR FOR CAPACITIVE SWITCHES
EL1028 -US- CIP[2]	United States Of America	Continua tion-in- Part	07 Feb 2014	14/175085	26 Jan 2016	9245666	THERMOFORMABLE POLYMER THICK FILM SILVER CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1067 -CN-NP	China	National Patent	15 Oct 2012	2012103909 54.9	14 Sep 2016	20121039095 4.9	A SOLAR CELL BACK SIDE ELECTRODE
EL1070 -CN- PCT	China	PCT Applicati on	08 Apr 2013	2013800192 80.4			SOLAR CELL AND MANUFACTURING METHOD OF THE SAME
EL1070 -US-NP	United States Of America	National Patent	12 Mar 2013	13/795191	14 Jul 2015	9082901	SOLAR CELL AND MANUFACTURING METHOD OF THE SAME
EL1072 -JP-NP	Japan	National Patent	14 Mar 2012	057242/12	18 Jan 2013	5179677	missing patent title
EL1075 -US-NP	United States Of America	National Patent	02 Nov 2012	13/667563	01 Jul 2014	8767378	ELECTRICALLY CONDUCTIVE PASTE COMPOSITION
EL1077 -CN- PCT	China	PCT Applicati on	04 May 2012	2012800580 62.7	21 Sep 2016	20128005806 2.7	CONDUCTIVE METAL INK
EL1077 -DE- EPT	Germany	Euro- PCT Applicati on	04 May 2012	12721129.0	12 Aug 2015	60201200954 8.2	CONDUCTIVE METAL INK

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1077-EP-EPT	European Procedure (Patents)	Euro-PCT Application	04 May 2012	12721129.0	12 Aug 2015	2785792	CONDUCTIVE METAL INK
EL1077-JP-PCT	Japan	PCT Application	04 May 2012	2014-544724	27 Apr 2018	6329079	CONDUCTIVE METAL INK
EL1077-US-NP	United States Of America	National Patent	04 May 2012	13/463927	26 Jan 2016	9245664	CONDUCTIVE METAL INK
EL1083-DE-NP	Germany	National Patent	30 Jan 2013	102013001605.3			POLYMER THICK FILM POSITIVE TEMPERATURE COEFFICIENT CARBON COMPOSITION
EL1084-US-NP	United States Of America	National Patent	04 Sep 2012	13/602919	05 Apr 2016	9306087	A METHOD FOR MANUFACTURING A PHOTOVOLTAIC CELL WITH A LOCALLY DIFFUSED REAR SIDE
EL1086-CN-NP	China	National Patent	15 Jan 2013	201310015096.4	01 Mar 2017	201310015096.4	POLYMER THICK FILM SOLDER ALLOY CONDUCTOR COMPOSITION
EL1086-DE-NP	Germany	National Patent	16 Jan 2013	102013000638.4			POLYMER THICK FILM SOLDER ALLOY CONDUCTOR COMPOSITION
EL1086-JP-NP	Japan	National Patent	18 Jan 2013	007203/13			POLYMER THICK FILM SOLDER ALLOY CONDUCTOR COMPOSITION
EL1086-US-NP	United States Of America	National Patent	05 Nov 2012	13/668404	08 Oct 2013	8551367	POLYMER THICK FILM SOLDER ALLOY CONDUCTOR COMPOSITION
EL1089-US-NP	United States Of America	National Patent	24 Jan 2013	13/749221	06 Oct 2015	9153863	MICROWAVE/MILLIMETER WAVE CHIP SCALE PACKAGE WITH INTEGRATED ANTENNA ARRAY ON MULTILAYER DIELECTRIC SUBSTRATE
EL1094-US-NP	United States Of America	National Patent	03 Aug 2012	13/565882	18 Feb 2014	8652873	THICK-FILM PASTE CONTAINING LEAD-VANADIUM-BASED OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1096 -US-NP	United States Of America	National Patent	26 Mar 2012	13/430036	15 Oct 2013	8557146	POLYMER THICK FILM SOLDER ALLOY/METAL CONDUCTOR COMPOSITIONS
EL1102 -CN-NP	China	National Patent	28 Sep 2012	2012103674 50.5	01 Jun 2018	20121036745 0.5	METHOD OF MANUFACTURING COPPER ELECTRODE
EL1102 -US-NP	United States Of America	National Patent	26 Jul 2012	13/558912	11 Feb 2014	8647815	METHOD OF MANUFACTURING COPPER ELECTRODE
EL1103 -CN-NP	China	National Patent	19 Jun 2013	2013102451 42.X	12 Apr 2017	20131024514 2.X	METHOD OF MANUFACTURING THICK-FILM ELECTRODE
EL1103 -US-NP	United States Of America	National Patent	12 Jun 2013	13/915681	26 Aug 2014	8815638	METHOD OF MANUFACTURING THICK-FILM ELECTRODE
EL1110 -US-NP	United States Of America	National Patent	21 Jan 2013	13/746121	04 Aug 2015	9099215	METHOD OF MANUFACTURING NON-FIRING TYPE ELECTRODE
EL1113 -US-NP	United States Of America	National Patent	15 Jan 2013	13/741648	13 Sep 2016	9445519	METHOD OF MANUFACTURING THICK-FILM ELECTRODE
EL1114 -CN-NP	China	National Patent	03 Jun 2014	2014102425 41.5	24 Oct 2017	20141024254 1.5	METHOD OF MANUFACTURING SOLAR CELL ELECTRODE
EL1114 -US-CIP	United States Of America	Continuation-in-Part	19 May 2014	14/280767	26 Jan 2016	9246027	METHOD OF MANUFACTURING SOLAR CELL ELECTRODE
EL1116 -US-NP	United States Of America	National Patent	27 Nov 2012	13/685893	21 Jul 2015	9087937	GLASS COMPOSITION AND ITS USE IN CONDUCTIVE SILVER PASTE
EL1121 -CN-NP	China	National Patent	20 Nov 2012	2012104726 08.5	15 Aug 2017	20121047260 8.5	THE USE OF A CONDUCTIVE COMPOSITION CONTAINING LEAD-TELLURIUM-BASED OXIDE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES WITH LIGHTLY DOPED EMITTERS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1121 -JP-NP	Japan	National Patent	20 Nov 2012	254184/12	04 Aug 2017	6185232	THE USE OF A CONDUCTIVE COMPOSITION CONTAINING LEAD-TELLURIUM-BASED OXIDE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES WITH LIGHTLY DOPED EMITTERS
EL1121 -US-NP	United States Of America	National Patent	30 Aug 2012	13/598861	03 Mar 2015	8969709	THE USE OF A CONDUCTIVE COMPOSITION CONTAINING LEAD-TELLURIUM-BASED OXIDE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES WITH LIGHTLY DOPED EMITTERS
EL1122 -DE-NP	Germany	National Patent	31 May 2013	1020130092 39.6			PHOTONIC SINTERING OF POLYMER THICK FILM CONDUCTOR COMPOSITIONS
EL1122 -US-NP	United States Of America	National Patent	20 Aug 2012	13/589564	19 May 2015	9034417	PHOTONIC SINTERING OF POLYMER THICK FILM CONDUCTOR COMPOSITIONS
EL1123 -US-NP	United States Of America	National Patent	13 Dec 2013	14/105359	26 Jan 2016	9245665	CONDUCTIVE METAL COMPOSITION
EL1125 -CN-NP	China	National Patent	23 Sep 2013	2013104447 86.1	12 Apr 2017	20131044478 6.1	LAMINATION OF POLYMER THICK FILM CONDUCTOR COMPOSITIONS
EL1125 -DE-NP	Germany	National Patent	09 Oct 2013	1020130167 72.8			LAMINATION OF POLYMER THICK FILM CONDUCTOR COMPOSITIONS
EL1125 -JP-NP	Japan	National Patent	10 Oct 2013	212872/13	24 Nov 2017	6247069	LAMINATION OF POLYMER THICK FILM CONDUCTOR COMPOSITIONS
EL1125 -US-CIP	United States Of America	Continuation-in-Part	24 Feb 2014	14/187453	24 Mar 2015	8986579	LAMINATION OF POLYMER THICK FILM CONDUCTOR COMPOSITIONS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1125 -US-NP	United States Of America	National Patent	10 Oct 2012	13/648710	15 Apr 2014	8696860	LAMINATION OF POLYMER THICK FILM CONDUCTOR COMPOSITIONS
EL1126 -US-NP	United States Of America	National Patent	24 Sep 2013	14/034716	26 Jan 2016	9245663	THICK FILM SILVER PASTE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1129 -US-NP	United States Of America	National Patent	09 Sep 2013	14/021137	26 Jan 2016	9246030	CONDUCTIVE SILVER PASTE FOR A METAL-WRAP-THROUGH SILICON SOLAR CELL
EL1133 -DE-NP	Germany	National Patent	31 May 2013	1020130092 41.8			COPPER PASTE COMPOSITION AND ITS USE IN A METHOD FOR FORMING COPPER CONDUCTORS ON SUBSTRATES
EL1133 -JP-NP	Japan	National Patent	27 May 2013	2013-110979	27 Oct 2017	6231298	COPPER PASTE COMPOSITION AND ITS USE IN A METHOD FOR FORMING COPPER CONDUCTORS ON SUBSTRATES
EL1133 -US-DIV	United States Of America	National Patent Divisional	07 Dec 2015	14/960814	03 Apr 2018	9934880	COPPER PASTE COMPOSITION AND ITS USE IN A METHOD FOR FORMING COPPER CONDUCTORS ON SUBSTRATES
EL1133 -US-NP	United States Of America	National Patent	04 Feb 2013	13/758567	12 Jan 2016	9236155	COPPER PASTE COMPOSITION AND ITS USE IN A METHOD FOR FORMING COPPER CONDUCTORS ON SUBSTRATES
EL1134 -CN-PCT	China	PCT Application	06 Feb 2015	2015800070 29.5			THERMALLY CONDUCTIVE ELECTRONIC SUBSTRATES AND METHODS RELATING THERETO
EL1134 -DE-PCT	Germany	PCT Application	06 Feb 2015	1120150006 89.3			THERMALLY CONDUCTIVE ELECTRONIC SUBSTRATES AND METHODS RELATING THERETO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1134 -JP- PCT	Japan	PCT Applicati on	06 Feb 2015	2016- 550784			THERMALLY CONDUCTIVE ELECTRONIC SUBSTRATES AND METHODS RELATING THERE TO
EL1138 -CN- PCT	China	PCT Applicati on	06 Jun 2014	2014800326 85.6	16 Jan 2018	20148003268 5.6	PHOTONIC SINTERING OF POLYMER THICK FILM COPPER CONDUCTOR COMPOSITIONS
EL1138 -DE- EPT	Germany	Euro- PCT Applicati on	06 Jun 2014	14830901.6	27 Dec 2017	60201401923 5.1	PHOTONIC SINTERING OF POLYMER THICK FILM COPPER CONDUCTOR COMPOSITIONS
EL1138 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	06 Jun 2014	14830901.6	27 Dec 2017	3008735	PHOTONIC SINTERING OF POLYMER THICK FILM COPPER CONDUCTOR COMPOSITIONS
EL1138 -US-NP	United States Of America	National Patent	13 Jun 2013	13/916759	17 Nov 2015	9190188	PHOTONIC SINTERING OF POLYMER THICK FILM COPPER CONDUCTOR COMPOSITIONS
EL1139 -CN-NP	China	National Patent	28 May 2013	2013102049 11.1			MOISTURE BARRIER LAYER DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1139 -DE-NP	Germany	National Patent	31 May 2013	1020130092 38.8			MOISTURE BARRIER LAYER DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1139 -JP-NP	Japan	National Patent	28 May 2013	111807/13	14 Apr 2017	6125905	MOISTURE BARRIER LAYER DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1139 -US- CIP	United States Of America	Continua tion-in- Part	09 Oct 2013	14/049525	17 Nov 2015	9187649	MOISTURE BARRIER LAYER DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1139 -US-NP	United States Of America	National Patent	08 Jan 2013	13/736142	22 Jul 2014	8785799	MOISTURE BARRIER LAYER DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1142 -CN- PCT	China	PCT Applicati on	04 Feb 2014	2014800052 74.8	22 Aug 2017	20148000527 4.8	CONDUCTIVE SILVER PASTE FOR A METAL- WRAP-THROUGH SILICON SOLAR CELL
EL1142 -US-NP	United States Of America	National Patent	16 Jan 2014	14/157201	12 Jan 2016	9236506	CONDUCTIVE SILVER PASTE FOR A METAL- WRAP-THROUGH SILICON SOLAR CELL

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1144 -US-NP	United States Of America	National Patent	21 Jan 2013	13/746157	28 Jul 2015	9093675	METHOD OF MANUFACTURING NON-FIRING TYPE ELECTRODE
EL1145 -CN-PCT	China	PCT Application	08 Apr 2014	201480032699.8	17 Jul 2018	201480032699.8	METHOD OF MANUFACTURING NON-FIRING TYPE ELECTRODE
EL1145 -US-NP	United States Of America	National Patent	18 Mar 2014	14/217631	25 Oct 2016	9480166	METHOD OF MANUFACTURING NON-FIRING TYPE ELECTRODE
EL1146 -US-NP	United States Of America	National Patent	01 Apr 2013	13/854349	18 Aug 2015	9112069	SOLAR CELL COMPRISING A P-DOPED SILICON WAFER AND AN ALUMINUM ELECTRODE
EL1148 -JP-NP	Japan	National Patent	04 Apr 2013	078660/13	24 Nov 2017	6247015	POLYMER TYPE CONDUCTIVE PASTE AND METHOD OF PRODUCING ELECTRODE BY USING THE SAME
EL1149 -CN-NP	China	National Patent	23 Jun 2014	201410283104.8	10 Apr 2018	201410283104.8	BACK-CONTACT SOLAR CELL MODULE
EL1151 -CN-NP	China	National Patent	16 Jan 2015	201510022853.X			METHOD OF MANUFACTURING NON-FIRING TYPE ELECTRODE
EL1152 -US-NP	United States Of America	National Patent	06 Nov 2014	14/534814	19 Jan 2016	9240515	A METHOD OF MANUFACTURING A SOLAR CELL
EL1154 -US-NP	United States Of America	National Patent	02 Sep 2014	14/474545	10 Jan 2017	9540536	HEAT-CURABLE POLYMER PASTE
EL1158 -CN-NP	China	National Patent	09 Mar 2015	201510102082.5	10 Aug 2018	201510102082.5	CONDUCTIVE PASTE USED FOR SOLAR CELL ELECTRODES
EL1158 -US-NP	United States Of America	National Patent	10 Mar 2014	14/202073	12 Sep 2017	9761348	CONDUCTIVE PASTE USED FOR SOLAR CELL ELECTRODES
EL1160 -US-NP	United States Of America	National Patent	05 May 2014	14/269313	08 Dec 2015	9209323	CONDUCTIVE PASTE USED FOR SOLAR CELL ELECTRODES AND METHOD OF MANUFACTURING THE SOLAR CELL ELECTRODES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1165 -CN- PCT	China	PCT Applicati on	30 Jul 2014	2014800356 94.0			THERMALLY CONDUCTIVE DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1165 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	30 Jul 2014	14750290.0			THERMALLY CONDUCTIVE DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1165 -JP- PCT	Japan	PCT Applicati on	30 Jul 2014	2016- 531845			THERMALLY CONDUCTIVE DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1165 -US-NP	United States Of America	National Patent	14 Jul 2014	14/330075	24 May 2016	9346992	THERMALLY CONDUCTIVE DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1168 -CN- PCT	China	PCT Applicati on	08 Apr 2014	2014800193 88.8	14 Nov 2017	20148001938 8.8	POLYMER THICK FILM POSITIVE TEMPERATURE COEFFICIENT CARBON COMPOSITION
EL1168 -JP- PCT	Japan	PCT Applicati on	08 Apr 2014	2016- 507595	05 Oct 2018	6412106	POLYMER THICK FILM POSITIVE TEMPERATURE COEFFICIENT CARBON COMPOSITION
EL1168 -US-NP	United States Of America	National Patent	10 Apr 2013	13/859843	21 Feb 2017	9573438	POLYMER THICK FILM POSITIVE TEMPERATURE COEFFICIENT CARBON COMPOSITION
EL1169 -US- CIP	United States Of America	Continua tion-in- Part	09 Oct 2013	14/049610	21 Apr 2015	9012555	UV-CURABLE THERMOFORMABLE DIELECTRIC FOR THERMOFORMABLE CIRCUITS
EL1173 -US- DIV	United States Of America	National Patent Division al	20 Feb 2015	14/627350	26 Jan 2016	9246029	A METHOD FOR MANUFACTURING AN INTERDIGITATED BACK CONTACT SOLAR CELL
EL1174 -CN- PCT	China	PCT Applicati on	19 Oct 2015	2015800567 31.0			THICK-FILM PASTE CONTAINING LEAD- TUNGSTEN-BASED OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1174 -DE- EPT	Germany	Euro-PCT Applicati on	19 Oct 2015	15791410.2	26 Dec 2018	602015022 456.6	THICK-FILM PASTE CONTAINING LEAD- TUNGSTEN-BASED OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1174 -EP- EPT	European Procedur e (Patents)	Euro-PCT Applicati on	19 Oct 2015	15791410.2	26 Dec 2018	3209618	THICK-FILM PASTE CONTAINING LEAD- TUNGSTEN-BASED OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1174 -JP- PCT	Japan	PCT Applicati on	19 Oct 2015	2017- 522047			THICK-FILM PASTE CONTAINING LEAD- TUNGSTEN-BASED OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1174 -US-NP	United States Of America	National Patent	21 Oct 2014	14/519404	20 Jun 2017	9683112	THICK-FILM PASTE CONTAINING LEAD- TUNGSTEN-BASED OXIDE AND ITS USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES
EL1179 -CN- PCT	China	PCT Applicati on	30 Jul 2014	2014800373 86.1			FLEXIBLE WHITE REFLECTIVE DIELECTRIC FOR ELECTRONIC CIRCUITS
EL1179 -EP- EPT	European Procedur e (Patents)	Euro-PCT Applicati on	30 Jul 2014	14750291.8			FLEXIBLE WHITE REFLECTIVE DIELECTRIC FOR ELECTRONIC CIRCUITS
EL1179 -US- DIV	United States Of America	National Patent Division al	24 Feb 2016	15/051789	21 Feb 2017	9574720	FLEXIBLE WHITE REFLECTIVE DIELECTRIC FOR ELECTRONIC CIRCUITS
EL1179 -US-NP	United States Of America	National Patent	09 Jul 2014	14/326836	05 Apr 2016	9303828	FLEXIBLE WHITE REFLECTIVE DIELECTRIC FOR ELECTRONIC CIRCUITS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1181 -US-NP	United States Of America	National Patent	04 Jun 2014	14/295647	28 Feb 2017	9579748	METHOD OF FABRICATING ELECTROMAGNETIC BANDGAP (EBG) STRUCTURES FOR MICROWAVE/MILLIMETER WAVE APPLICATIONS USING LASER PROCESSING OF UNFIRED LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) TAPE
EL1184 -CN-PCT	China	PCT Application	13 Nov 2014	2014800631 15.3	19 Jan 2018	20148006311 5.3	STRETCHABLE POLYMER THICK FILM SILVER CONDUCTOR FOR HIGHLY PERMEABLE SUBSTRATES
EL1184 -DE-EPT	Germany	Euro-PCT Application	13 Nov 2014	14815122.8	20 Dec 2017	60201401891 6.4	STRETCHABLE POLYMER THICK FILM SILVER CONDUCTOR FOR HIGHLY PERMEABLE SUBSTRATES
EL1184 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Nov 2014	14815122.8	20 Dec 2017	3072136	STRETCHABLE POLYMER THICK FILM SILVER CONDUCTOR FOR HIGHLY PERMEABLE SUBSTRATES
EL1184 -JP-PCT	Japan	PCT Application	13 Nov 2014	2016-532100			STRETCHABLE POLYMER THICK FILM SILVER CONDUCTOR FOR HIGHLY PERMEABLE SUBSTRATES
EL1184 -US-NP	United States Of America	National Patent	18 Nov 2013	14/082600	02 Feb 2016	9253883	STRETCHABLE POLYMER THICK FILM SILVER CONDUCTOR FOR HIGHLY PERMEABLE SUBSTRATES
EL1186 -CN-PCT	China	PCT Application	12 Jun 2015	2015800303 84.4			ALUMINUM-TIN PASTE AND ITS USE IN MANUFACTURING SOLDERABLE ELECTRICAL CONDUCTORS
EL1186 -US-NP	United States Of America	National Patent	18 May 2015	14/715113	08 May 2018	9966479	ALUMINUM-TIN PASTE AND ITS USE IN MANUFACTURING SOLDERABLE ELECTRICAL CONDUCTORS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1189 -CN- PCT	China	PCT Applicati on	17 Mar 2015	2015800132 22.X	31 Jul 2018	20158001322 2.X	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1189 -CN- PCT[2]	China	PCT Applicati on	17 Mar 2015	2015800131 69.3	03 Jul 2018	20158001316 9.3	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1189 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	17 Mar 2015	15714097.1			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1189 -EP- EPT[2]	European Procedur e (Patents)	Euro- PCT Applicati on	17 Mar 2015	15714100.3			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1189 -JP- PCT	Japan	PCT Applicati on	17 Mar 2015	2017- 501076			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1189 -JP- PCT[2]	Japan	PCT Applicati on	17 Mar 2015	2016- 555471			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1189 -US-NP	United States Of America	National Patent	20 Mar 2014	14/220255	07 Mar 2017	9587132	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1190 -CN- PCT	China	PCT Applicati on	19 Mar 2015	2015800155 75.3			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1190 -CN- PCT[2]	China	PCT Applicati on	19 Mar 2015	2015800155 79.1			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1190 -DE- EPT	Germany	Euro- PCT Applicati on	19 Mar 2015	15715028.5	12 Sep 2018	3123481	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1190 -DE- EPT[2]	Germany	Euro- PCT Applicati on	19 Mar 2015	15717995.3	03 Oct 2018	3123482	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1190 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	19 Mar 2015	15715028.5	12 Sep 2018	3123481	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1190 -EP- EPT[2]	European Procedur e (Patents)	Euro- PCT Applicati on	19 Mar 2015	15717995.3	03 Oct 2018	3123482	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1190 -JP- PCT	Japan	PCT Applicati on	19 Mar 2015	2016- 559219			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1190 -JP- PCT[2]	Japan	PCT Applicati on	19 Mar 2015	2016- 559295			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1190 -US-NP	United States Of America	National Patent	17 Mar 2015	14/660356	03 Oct 2017	9779851	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR WITH HAPTIC RESPONSE AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1194 -CN-PCT	China	PCT Application	18 Jun 2015	2015800359 08.9			HIGH K DIELECTRIC COMPOSITION FOR THERMOFORMABLE CAPACITIVE CIRCUITS
EL1194 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Jun 2015	15745273.1			HIGH K DIELECTRIC COMPOSITION FOR THERMOFORMABLE CAPACITIVE CIRCUITS
EL1194 -JP-PCT	Japan	PCT Application	18 Jun 2015	2017-501248			HIGH K DIELECTRIC COMPOSITION FOR THERMOFORMABLE CAPACITIVE CIRCUITS
EL1194 -US-NP	United States Of America	National Patent	07 Jul 2014	14/324760	20 Jun 2017	9685270	HIGH K DIELECTRIC COMPOSITION FOR THERMOFORMABLE CAPACITIVE CIRCUITS
EL1195 -CN-PCT	China	PCT Application	30 Jan 2015	2015800066 88.7			COMPOSITIONS FOR HIGH SPEED PRINTING OF CONDUCTIVE MATERIALS FOR ELECTRONIC CIRCUITRY TYPE APPLICATIONS AND METHODS RELATING THERETO
EL1195 -DE-PCT	Germany	PCT Application	30 Jan 2015	1120150006 22.2			COMPOSITIONS FOR HIGH SPEED PRINTING OF CONDUCTIVE MATERIALS FOR ELECTRONIC CIRCUITRY TYPE APPLICATIONS AND METHODS RELATING THERETO
EL1195 -JP-PCT	Japan	PCT Application	30 Jan 2015	2016-549773			COMPOSITIONS FOR HIGH SPEED PRINTING OF CONDUCTIVE MATERIALS FOR ELECTRONIC CIRCUITRY TYPE APPLICATIONS AND METHODS RELATING THERETO
EL1214 -CN-PCT	China	PCT Application	30 Jun 2015	2015800356 69.7			SOLAR CELL ELECTRODE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1214 -JP- PCT	Japan	PCT Applicati on	30 Jun 2015	2017- 500012			SOLAR CELL ELECTRODE
EL1214 -US-NP	United States Of America	National Patent	30 Jun 2015	14/755655	03 Jan 2017	9537020	SOLAR CELL ELECTRODE
EL1221 -CN-NP	China	National Patent	22 May 2015	2015102667 06.7			PRINTABLE COMPOSITIONS USEFUL IN ELECTRONIC APPLICATIONS AND METHODS RELATING THERETO
EL1221 -JP-NP	Japan	National Patent	22 May 2015	2015- 104844			PRINTABLE COMPOSITIONS USEFUL IN ELECTRONIC APPLICATIONS AND METHODS RELATING THERETO
EL1221 -US-NP	United States Of America	National Patent	22 May 2015	14/719630	09 Jan 2018	9862846	PRINTABLE COMPOSITIONS USEFUL IN ELECTRONIC APPLICATIONS AND METHODS RELATING THERETO
EL1222 -US-NP	United States Of America	National Patent	18 May 2015	14/714529	24 May 2016	9349883	CONDUCTOR FOR A SOLAR CELL
EL1223 -CN- PCT	China	PCT Applicati on	02 Jul 2015	2015800358 73.9			POLYMER THICK FILM SILVER CONDUCTOR WITH INVERTED CURE PROFILE BEHAVIOR
EL1223 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	02 Jul 2015	15745018.0			POLYMER THICK FILM SILVER CONDUCTOR WITH INVERTED CURE PROFILE BEHAVIOR
EL1223 -JP- PCT	Japan	PCT Applicati on	02 Jul 2015	2017- 502579			POLYMER THICK FILM SILVER CONDUCTOR WITH INVERTED CURE PROFILE BEHAVIOR
EL1223 -US-NP	United States Of America	National Patent	11 Jun 2015	14/736791	01 Aug 2017	9718966	POLYMER THICK FILM SILVER CONDUCTOR WITH INVERTED CURE PROFILE BEHAVIOR

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1224 -CN- PCT	China	PCT Applicati on	01 Jul 2015	2015800481 96.4			FLOWABLE COMPOSITIONS WITH LOW TEMPERATURE CURING TO FORM THERMALLY CONDUCTIVE PATHWAYS IN ELECTRONICS TYPE APPLICATIONS AND METHODS RELATING THERETO
EL1224 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	01 Jul 2015	15744765.7			FLOWABLE COMPOSITIONS WITH LOW TEMPERATURE CURING TO FORM THERMALLY CONDUCTIVE PATHWAYS IN ELECTRONICS TYPE APPLICATIONS AND METHODS RELATING THERETO
EL1224 -JP- PCT	Japan	PCT Applicati on	01 Jul 2015	2017- 501397			FLOWABLE COMPOSITIONS WITH LOW TEMPERATURE CURING TO FORM THERMALLY CONDUCTIVE PATHWAYS IN ELECTRONICS TYPE APPLICATIONS AND METHODS RELATING THERETO
EL1224 -US-NP	United States Of America	National Patent	06 Jul 2015	14/791575	12 Dec 2017	9840651	FLOWABLE COMPOSITIONS WITH LOW TEMPERATURE CURING TO FORM THERMALLY CONDUCTIVE PATHWAYS IN ELECTRONICS TYPE APPLICATIONS AND METHODS RELATING THERETO
EL1226 -US-NP	United States Of America	National Patent	17 Dec 2015	14/972840			METHOD AND DEVICES FOR HIGH TEMPERATURE THICK FILM PASTES
EL1227 -CN- PCT	China	PCT Applicati on	01 Sep 2015	2015800496 97.4			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1227 -DE- EPT	Germany	Euro-PCT Application	01 Sep 2015	15778075.0	28 Nov 2018	602015020533.2	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1227 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	01 Sep 2015	15778075.0	28 Nov 2018	3195328	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1227 -JP- PCT	Japan	PCT Application	01 Sep 2015	2017-515801			THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1227 -US-NP	United States Of America	National Patent	18 Sep 2014	14/489878	30 Aug 2016	9431147	THERMOFORMABLE POLYMER THICK FILM TRANSPARENT CONDUCTOR AND ITS USE IN CAPACITIVE SWITCH CIRCUITS
EL1229 -CN- PCT	China	PCT Application	03 Nov 2015	201580060367.5			STRETCHABLE POLYMER THICK FILM COMPOSITIONS FOR THERMOPLASTIC POLYURETHANE SUBSTRATES AND WEARABLES ELECTRONICS
EL1229 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	03 Nov 2015	15801012.4			STRETCHABLE POLYMER THICK FILM COMPOSITIONS FOR THERMOPLASTIC POLYURETHANE SUBSTRATES AND WEARABLES ELECTRONICS
EL1229 -JP- PCT	Japan	PCT Application	03 Nov 2015	2017-524428			STRETCHABLE POLYMER THICK FILM COMPOSITIONS FOR THERMOPLASTIC POLYURETHANE SUBSTRATES AND WEARABLES ELECTRONICS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1229 -US- CNT	United States Of America	Continuation	08 Aug 2018	16/058344			STRETCHABLE POLYMER THICK FILM COMPOSITIONS FOR THERMOPLASTIC SUBSTRATES AND WEARABLES ELECTRONICS
EL1229 -US- DIV	United States Of America	National Patent Divisional	08 Aug 2018	16/058394			STRETCHABLE POLYMER THICK FILM COMPOSITIONS FOR THERMOPLASTIC SUBSTRATES AND WEARABLES ELECTRONICS
EL1229 -US-NP	United States Of America	National Patent	02 Nov 2015	14/929498	11 Sep 2018	10072177	STRETCHABLE POLYMER THICK FILM COMPOSITIONS FOR THERMOPLASTIC SUBSTRATES AND WEARABLES ELECTRONICS
EL1230 -CN-NP	China	National Patent	10 Nov 2015	2015107611 43.9			METHOD OF MANUFACTURING ELECTRICAL DEVICE
EL1230 -US-NP	United States Of America	National Patent	09 Nov 2015	14/936654	06 Sep 2016	9437754	METHOD OF MANUFACTURING ELECTRICAL DEVICE
EL1232 -CN- PCT	China	PCT Application	16 Mar 2016	2016800223 81.0			ELECTRONIC COMPONENT
EL1232 -JP- PCT	Japan	PCT Application	16 Mar 2016	2017- 549240			ELECTRONIC COMPONENT
EL1232 -US- DIV	United States Of America	National Patent Divisional	12 Jul 2017	15/647789			ELECTRIC COMPONENT
EL1233 -US-NP	United States Of America	National Patent	20 Apr 2016	15/133307			TERMINAL ELECTRODE OF ELECTRONIC COMPONENT
EL1235 -CN- PCT	China	PCT Application	12 Oct 2016	2016800682 65.2			BACK-CONTACT SOLAR CELL AND METHOD FOR MANUFACTURING THE SAME
EL1235 -US-NP	United States Of America	National Patent	12 Oct 2016	15/291642	12 Jun 2018	9997653	BACK-CONTACT SOLAR CELL AND METHOD FOR MANUFACTURING THE SAME

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EL1241 -CN-NP	China	National Patent	30 Dec 2016	2016112547 38.6			ELECTRIC COMPONENT
EL1241 -DE-NP	Germany	National Patent	10 Jan 2017	1020170001 39.1			ELECTRIC COMPONENT
EL1241 -JP-NP	Japan	National Patent	06 Jan 2017	2017-001109			ELECTRIC COMPONENT
EL1241 -US-NP	United States Of America	National Patent	11 Jan 2016	14/992427			ELECTRIC COMPONENT
EL1246 -CN-NP	China	National Patent	28 Aug 2017	2017107498 75.5			CHIP RESISTOR
EL1247 -CN-NP	China	National Patent	22 Feb 2018	2018101540 39.7			CHIP RESISTOR
EL1247 -US-NP	United States Of America	National Patent	23 Feb 2017	15/440040	30 Oct 2018	10115505	CHIP RESISTOR
EL1248 -CN-NP	China	National Patent	13 Sep 2017	2017108214 31.8			CONDUCTIVE PASTE FOR BONDING
EL1248 -DE-NP	Germany	National Patent	14 Sep 2017	1020170086 33.8			CONDUCTIVE PASTE FOR BONDING
EL1248 -JP-NP	Japan	National Patent	15 Sep 2016	2016-180702			CONDUCTIVE PASTE FOR BONDING
EL1248 -US-NP	United States Of America	National Patent	14 Sep 2017	15/704456			CONDUCTIVE PASTE FOR BONDING
EL1249 -JP-NP	Japan	National Patent	15 Sep 2016	2016-180705			CONDUCTIVE PASTE FOR BONDING
EL1250 -CN-NP	China	National Patent	30 Sep 2017	2017109142 28.5			CONDUCTIVE PASTE FOR BONDING
EL1250 -DE-NP	Germany	National Patent	06 Oct 2017	1020170092 93.1			CONDUCTIVE PASTE FOR BONDING

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1250 -JP-NP	Japan	National Patent	06 Oct 2016	2016-198342			CONDUCTIVE PASTE FOR BONDING
EL1250 -US-NP	United States Of America	National Patent	19 Sep 2017	15/708490			Conductive Paste For Bonding
EL1251 -CN-PCT	China	PCT Application	03 Feb 2016	2016800084 27.3			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1251 -DE-PCT	Germany	PCT Application	03 Feb 2016	1120160006 10.1			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1251 -JP-PCT	Japan	PCT Application	03 Feb 2016	2017-541239			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1251 -US-NP	United States Of America	National Patent	04 Feb 2016	15/015245			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1253 -CN-PCT	China	PCT Application	09 Aug 2016	2016800584 63.0			PHOTONIC SINTERING OF A POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1253 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	09 Aug 2016	16754362.8			PHOTONIC SINTERING OF A POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1253 -JP-PCT	Japan	PCT Application	09 Aug 2016	2018-507554			PHOTONIC SINTERING OF A POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1253 -US-NP	United States Of America	National Patent	23 Sep 2015	14/862254	02 May 2017	9637647	PHOTONIC SINTERING OF A POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1254 -JP-PCT	Japan	PCT Application	08 Aug 2016	2018-507553			PROCESS FOR FORMING A SOLDERABLE POLYIMIDE-BASED POLYMER THICK FILM CONDUCTOR

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1255 -CN- PCT	China	PCT Applicati on	08 Aug 2016	2016800585 60.X			PASTE AND PROCESS FOR FORMING A SOLDERABLE POLYIMIDE-BASED POLYMER THICK FILM CONDUCTOR
EL1255 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	08 Aug 2016	16751796.0			PASTE AND PROCESS FOR FORMING A SOLDERABLE POLYIMIDE-BASED POLYMER THICK FILM CONDUCTOR
EL1255 -JP- PCT	Japan	PCT Applicati on	08 Aug 2016	2018- 507563			PASTE AND PROCESS FOR FORMING A SOLDERABLE POLYIMIDE-BASED POLYMER THICK FILM CONDUCTOR
EL1255 -US-NP	United States Of America	National Patent	12 Aug 2015	14/824202	16 May 2017	9649730	PASTE AND PROCESS FOR FORMING A SOLDERABLE POLYIMIDE-BASED POLYMER THICK FILM CONDUCTOR
EL1256 -CN- PCT	China	PCT Applicati on	09 Aug 2016	2016800582 81.3			PHOTONIC SINTERING OF A SOLDERABLE POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1256 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	09 Aug 2016	16754064.0			PHOTONIC SINTERING OF A SOLDERABLE POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1256 -JP- PCT	Japan	PCT Applicati on	09 Aug 2016	2018- 507542			PHOTONIC SINTERING OF A SOLDERABLE POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1256 -US-NP	United States Of America	National Patent	23 Sep 2015	14/862259	02 May 2017	9637648	PHOTONIC SINTERING OF A SOLDERABLE POLYMER THICK FILM COPPER CONDUCTOR COMPOSITION
EL1257 -US-NP	United States Of America	National Patent	17 Sep 2015	14/857142	05 Apr 2016	9306088	METHOD FOR MANUFACTURING BACK CONTACT SOLAR CELLS
EL1258 -CN-NP	China	National Patent	21 Dec 2016	2016111915 97.8			POLYIMIDE-BASED POLYMER THICK FILM COMPOSITIONS
EL1258 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	20 Dec 2016	16879952.6			POLYIMIDE-BASED POLYMER THICK FILM COMPOSITIONS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1258-JP-NP	Japan	National Patent	21 Dec 2016	2016-248129			POLYIMIDE-BASED POLYMER THICK FILM COMPOSITIONS
EL1258-US-NP	United States Of America	National Patent	12 Dec 2016	15/375544			POLYIMIDE-BASED POLYMER THICK FILM COMPOSITIONS
EL1259-US-NP	United States Of America	National Patent	15 Dec 2016	15/380210			POLYIMIDE-BASED POLYMER THICK FILM RESISTOR COMPOSITION
EL1261-CN-NP	China	National Patent	30 Sep 2017	201710914501.4			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1261-US-NP	United States Of America	National Patent	25 Sep 2017	15/714030			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1262-CN-NP	China	National Patent	13 Apr 2017	201710239818.2			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1262-DE-NP	Germany	National Patent	12 Apr 2017	102017003604.7			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1262-JP-NP	Japan	National Patent	11 Apr 2017	2017-078281			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1262-US-NP	United States Of America	National Patent	17 Mar 2017	15/462053	20 Nov 2018	10134925	CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1264-CN-UM	China	Utility Model	27 Sep 2017	201721253180.X	12 Oct 2018	201721253180.X	ELECTRICAL CONNECTIONS AND THEIR USE IN WEARABLES AND OTHER APPLICATIONS
EL1264-US-DIV	United States Of America	National Patent Divisional	11 Jul 2018	16/032644			ELECTRICAL CONNECTIONS AND THEIR USE IN WEARABLES AND OTHER APPLICATIONS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1264 -US-NP	United States Of America	National Patent	05 Sep 2017	15/695413			ELECTRICAL CONNECTIONS AND THEIR USE IN WEARABLES AND OTHER APPLICATIONS
EL1265 -CN-NP	China	National Patent	30 Nov 2017	2017112404 51.2			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1265 -CN-UM	China	Utility Model	30 Nov 2017	2017216459 99.0			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1265 -JP-NP	Japan	National Patent	01 Dec 2017	2017-231677			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1265 -US-NP	United States Of America	National Patent	29 Nov 2017	15/825278			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1266 -CN-NP	China	National Patent	30 Nov 2017	2017112394 21.X			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1266 -CN-UM	China	Utility Model	30 Nov 2017	2017216460 10.8			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1266 -DE-NP	Germany	National Patent	01 Dec 2017	1020170111 94.4			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1266 -JP-NP	Japan	National Patent	01 Dec 2017	2017-231680			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1268 -CN-NP	China	National Patent	19 Oct 2017	2017109787 76.4			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1268 -DE-NP	Germany	National Patent	20 Oct 2017	1020170098 11.5			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH

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EL1268-JP-NP	Japan	National Patent	23 Oct 2017	2017-204394			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1268-US-NP	United States Of America	National Patent	25 Sep 2017	15/714019			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1269-US-NP	United States Of America	National Patent	07 Nov 2017	15/805226			ARTICLES AND SUBSTRATES PROVIDING IMPROVED PERFORMANCE OF PRINTABLE ELECTRONICS
EL1269-WO-PCT	International Procedure	PCT Application	31 Oct 2017	PCT/US17/59258			ARTICLES AND SUBSTRATES PROVIDING IMPROVED PERFORMANCE OF PRINTABLE ELECTRONICS
EL1270-JP-NP	Japan	National Patent	21 Sep 2016	2016-184511			CONDUCTIVE PASTE FOR BONDING
EL1273-US-NP	United States Of America	National Patent	04 Oct 2017	15/724392			FINE SILVER PARTICLE DISPERSION
EL1274-JP-NP	Japan	National Patent	01 Nov 2017	2017-212139			CONDUCTIVE PASTE FOR BONDING AND MANUFACTURING METHOD OF ELECTRIC DEVICE USING THEREOF
EL1276-JP-NP	Japan	National Patent	02 Mar 2018	2018-037566			CONDUCTIVE PASTE FOR BONDING
EL1292-CN-NP	China	National Patent	08 Apr 2018	201810306798.0			IMPROVED PRINTABLE HEATERS FOR WEARABLES
EL1292-DE-NP	Germany	National Patent	03 Apr 2018	102018002686.9			IMPROVED PRINTABLE HEATERS FOR WEARABLES
EL1292-JP-NP	Japan	National Patent	05 Apr 2018	2018-073200			IMPROVED PRINTABLE HEATERS FOR WEARABLES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1292 -US-NP	United States Of America	National Patent	26 Mar 2018	15/935769			IMPROVED PRINTABLE HEATERS FOR WEARABLES
EL1293 -CN-NP	China	National Patent	12 Apr 2018	2018103265 95.8			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1293 -JP-NP	Japan	National Patent	18 Apr 2018	2018-080048			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1293 -KR-NP	South Korea / Republic of Korea	National Patent	13 Apr 2018	10-2018-0043111			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1293 -TW-NP	Taiwan	National Patent	15 Mar 2018	107108764			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1293 -US-NP	United States Of America	National Patent	09 Apr 2018	15/948206			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1294 -WO-PCT	International Procedure	PCT Application	24 Feb 2017	PCT/CN2017/074710			STRETCHABLE CONDUCTIVE PASTE COMPOSITION
EL1295 -CN-NP	China	National Patent	07 Jun 2018	2018105795 18.3			IMPROVED PRINTABLE HEATERS TO HEAT WEARABLES AND OTHER ARTICLES
EL1295 -US-NP	United States Of America	National Patent	04 May 2018	15/971056			IMPROVED PRINTABLE HEATERS TO HEAT WEARABLES AND OTHER ARTICLES
EL1296 -CN-NP	China	National Patent	05 Jun 2018	2018105676 17.X			BENDABLE ELECTRICAL CONDUCTOR IN A THERMOFORMED ARTICLE
EL1296 -DE-NP	Germany	National Patent	07 Jun 2018	1020180046 16.9			BENDABLE ELECTRICAL CONDUCTOR IN A THERMOFORMED ARTICLE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
EL1296 -JP-NP	Japan	National Patent	07 Jun 2018	2018-109621			BENDABLE ELECTRICAL CONDUCTOR IN A THERMOFORMED ARTICLE
EL1296 -US-NP	United States Of America	National Patent	02 May 2018	15/969144			BENDABLE ELECTRICAL CONDUCTOR IN A THERMOFORMED ARTICLE
EL1306 -US-NP	United States Of America	National Patent	08 Mar 2018	15/915470			Improved Printable Heaters for Wearables and Other Articles
EL1307 -US-NP	United States Of America	National Patent	07 Aug 2018	16/057154			HAND AND FOOT HEATERS
EL1307 -US-PSP	United States Of America	Provisional Application	17 Jan 2018	62/618309			HAND AND FOOT HEATERS
EL1313 -US-PSP	United States Of America	Provisional Application	16 Oct 2018	62/746269			STRETCHABLE CONDUCTIVE FLUOROELASTOMER PASTE COMPOSITION
EP0017 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	12 Mar 2014	14721596.6			POLYMERIZATION PROCESS PROTECTION MEANS
EP0019 -JP-NP	Japan	National Patent	31 Oct 2016	2016-213026			SUBSTANTIALLY SYMMETRICAL 3-ARM STAR BLOCK COPOLYMERS
EP0019 -KR-NP	South Korea / Republic of Korea	National Patent	31 Oct 2016	10-2016-0143089			SUBSTANTIALLY SYMMETRICAL 3-ARM STAR BLOCK COPOLYMERS
EP0019 -US-NP	United States Of America	National Patent	27 Oct 2016	15/335803	14 Nov 2017	9815947	SUBSTANTIALLY SYMMETRICAL 3-ARM STAR BLOCK COPOLYMERS
FA0741 -US-CNT	United States Of America	Continuation	24 Jan 2003	10/292573	12 Dec 2006	7148297	CATALYTIC POLYMERIZATION PROCESS
FA0741 -US-CNT	United States Of America	Continuation	24 Jan 2003	10/292573	12 Dec 2006	7148297	CATALYTIC POLYMERIZATION PROCESS
FA0741 -US-CNT	United States Of America	Continuation	24 Jan 2003	10/292573	12 Dec 2006	7148297	CATALYTIC POLYMERIZATION PROCESS

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FA0741 -US- CNT	United States Of America	Continuation	24 Jan 2003	10/292573	12 Dec 2006	7148297	CATALYTIC POLYMERIZATION PROCESS
FA0790 -NZ- PCT	New Zealand	PCT Application	23 Aug 2002	530410			METHOD OF PRODUCING STABILIZED ORGANIC PIGMENT PARTICLES AND DEVICE THEREFOR
FA0790 -US-NP	United States Of America	National Patent	23 Aug 2002	10/226898	23 Mar 2004	6709507	METHOD OF PRODUCING STABILIZED ORGANIC PIGMENT PARTICLES AND DEVICE THEREFOR
FA1054 -DE- EPT	Germany	Euro-PCT Application	11 Jul 2000	00947966.8	02 Mar 2005	50009660.0	BINDING AGENTS MODIFIED WITH NANOPARTICLES, FOR COATINGS, AND USE THEREOF
FA1054 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	11 Jul 2000	00947966.8	02 Mar 2005	1216278	BINDING AGENTS MODIFIED WITH NANOPARTICLES, FOR COATINGS, AND USE THEREOF
FA1054 -FR- EPT	France	Euro-PCT Application	11 Jul 2000	00947966.8	02 Mar 2005	1216278	BINDING AGENTS MODIFIED WITH NANOPARTICLES, FOR COATINGS, AND USE THEREOF
FA1054 -US- PCT	United States Of America	PCT Application	11 Jul 2000	10/031303	15 Jun 2004	6750270	BINDING AGENTS MODIFIED WITH NANOPARTICLES, FOR COATINGS, AND USE THEREOF
FA1680 -JP- PCT	Japan	PCT Application	12 Mar 2008	550645/10	23 Jan 2015	5683279	DURABLE COATING COMPOSITION
FL0074 -US- DIV	United States Of America	National Patent Divisional	11 Mar 2002	10/095922	27 May 2008	7378475	VINYL FLUORIDE INTERPOLYMERS
FL0376 -CN- PCD	China	PCT Application Divisional	10 Jul 2012	2012102419 49.1	29 Apr 2015	20121024194 9.1	FLUOROPOLYMER COATING COMPOSITIONS CONTAINING ADHESIVE POLYMERS AND SUBSTRATE COATING PROCESS
FL0376 -CN- PCT	China	PCT Application	29 Dec 2006	2006800499 39.0	05 Sep 2012	20068004993 9.0	FLUOROPOLYMER COATING COMPOSITIONS CONTAINING ADHESIVE POLYMERS AND SUBSTRATE COATING PROCESS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
FL0376 -DE- ETD	Germany	Euro-PCT Application Divisional	21 Mar 2012	12160481.3	22 Feb 2017	60200605179 7.1	FLUOROPOLYMER COATING COMPOSITIONS CONTAINING ADHESIVE POLYMERS AND SUBSTRATE COATING PROCESS
FL0376 -EP- ETD	European Procedure (Patents)	Euro-PCT Application Divisional	21 Mar 2012	12160481.3	22 Feb 2017	2468833	FLUOROPOLYMER COATING COMPOSITIONS CONTAINING ADHESIVE POLYMERS AND SUBSTRATE COATING PROCESS
FL0376 -US- CNT	United States Of America	Continuation	10 Jun 2010	12/797920	19 Jul 2011	7981478	FLUOROPOLYMER COATING COMPOSITIONS CONTAINING ADHESIVE POLYMERS AND SUBSTRATE COATING PROCESS
FL0376 -US-NP	United States Of America	National Patent	20 Dec 2006	11/642071	06 Sep 2011	8012542	FLUOROPOLYMER COATING COMPOSITIONS CONTAINING ADHESIVE POLYMERS AND SUBSTRATE COATING PROCESS
FL0377 -CN- PCD	China	PCT Application Divisional	18 Apr 2012	2012101293 12.3	15 Jun 2016	20121012931 2.3	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES
FL0377 -CN- PCT	China	PCT Application	29 Dec 2006	2006800500 09.7	27 Jun 2012	20068005000 9.7	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES
FL0377 -JP- PCT	Japan	PCT Application	29 Dec 2006	548775/08	29 Mar 2013	5232654	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES
FL0377 -KR- PCT	South Korea / Republic of Korea	PCT Application	29 Dec 2006	10-2008-7018643	31 Mar 2014	1382008	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES
FL0377 -US- CNT	United States Of America	Continuation	26 Jun 2009	12/492372	01 Nov 2011	8048518	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES
FL0377 -US- CNT[1]	United States Of America	Continuation	26 Jun 2009	12/492375	22 Nov 2011	8062744	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
FL0377 -US- CNT[2]	United States Of America	Continuation	26 Sep 2011	13/245033	12 Jun 2012	8197933	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES
FL0377 -US-NP	United States Of America	National Patent	20 Dec 2006	11/642183	30 Jun 2009	7553540	FLUOROPOLYMER COATED FILMS USEFUL FOR PHOTOVOLTAIC MODULES
FL0415 -CN- PCD	China	PCT Application Divisional	18 Apr 2013	201310137101.9	19 Aug 2015	201310137101.9	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -CN- PCT	China	PCT Application	18 Apr 2008	200880013042.1	29 May 2013	200880013042.1	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -DE- EPT	Germany	Euro-PCT Application	18 Apr 2008	08743050.0	17 Feb 2016	602008042379.4	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -DE- ETD	Germany	Euro-PCT Application Divisional	17 Feb 2012	12155881.1	18 Mar 2015	602008037268.5	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	18 Apr 2008	08743050.0	17 Feb 2016	2139962	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -EP- ETD	European Procedure (Patents)	Euro-PCT Application Divisional	17 Feb 2012	12155881.1	18 Mar 2015	2468829	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -ES- EPT	Spain	Euro-PCT Application	18 Apr 2008	08743050.0	17 Feb 2016	2139962	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -ES- ETD	Spain	Euro-PCT Application Divisional	17 Feb 2012	12155881.1	18 Mar 2015	2537383	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
FL0415 -FR- EPT	France	Euro- PCT Applicati on	18 Apr 2008	08743050.0	17 Feb 2016	2139962	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -FR- ETD	France	Euro- PCT Applicati on Division al	17 Feb 2012	12155881.1	18 Mar 2015	2468829	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -GB- EPT	United Kingdom	Euro- PCT Applicati on	18 Apr 2008	08743050.0	17 Feb 2016	2139962	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -GB- ETD	United Kingdom	Euro- PCT Applicati on Division al	17 Feb 2012	12155881.1	18 Mar 2015	2468829	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -IT-EPT	Italy	Euro- PCT Applicati on	18 Apr 2008	08743050.0	17 Feb 2016	50201600004 5204	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -IT- ETD	Italy	Euro- PCT Applicati on Division al	17 Feb 2012	12155881.1	18 Mar 2015	50201500002 1870	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -JP- PCT	Japan	PCT Applicati on	18 Apr 2008	506222/10	10 Jan 2014	5449136	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -KR- PCD	South Korea / Republic of Korea	PCT Applicati on Division al	25 Jun 2014	10-2014- 7017545	08 Sep 2015	10-1553188	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0415 -US- DIV	United States Of America	National Patent Division al	16 Dec 2010	12/969865	27 Sep 2011	8025928	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
FL0415 -US-NP	United States Of America	National Patent	11 Apr 2008	12/101413	01 May 2012	8168297	FLUOROPOLYMER COATED FILM, PROCESS FOR FORMING THE SAME, AND FLUOROPOLYMER LIQUID COMPOSITION
FL0437 -CN-PCT	China	PCT Application	21 Dec 2007	200780046805.8	05 Oct 2011	200780046805.8	CROSSLINKABLE VINYL FLUORIDE COPOLYMERS
FL0437 -DE-EPT	Germany	Euro-PCT Application	21 Dec 2007	07868002.2	28 Sep 2012	602007026203.8	CROSSLINKABLE VINYL FLUORIDE COPOLYMERS
FL0437 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Dec 2007	07868002.2	28 Sep 2012	2094747	CROSSLINKABLE VINYL FLUORIDE COPOLYMERS
FL0437 -FR-EPT	France	Euro-PCT Application	21 Dec 2007	07868002.2	28 Sep 2012	2094747	CROSSLINKABLE VINYL FLUORIDE COPOLYMERS
FL0437 -JP-PCT	Japan	PCT Application	21 Dec 2007	513680/10	28 Dec 2012	5166440	CROSSLINKABLE VINYL FLUORIDE COPOLYMERS
FL0437 -KR-PCT	South Korea / Republic of Korea	PCT Application	21 Dec 2007	10-2009-7015151	30 Oct 2014	1458652	CROSSLINKABLE VINYL FLUORIDE COPOLYMERS
FL0437 -US-NP	United States Of America	National Patent	21 Dec 2007	11/962134	30 Nov 2010	7842765	CROSSLINKABLE VINYL FLUORIDE COPOLYMERS
FL0462 -CN-PCT	China	PCT Application	21 Dec 2007	200780046544.X	16 Nov 2011	200780046544.X	CROSSLINKABLE VINYL FLUORIDE COPOLYMER COATED FILM AND PROCESS FOR MAKING SAME
FL0462 -DE-EPT	Germany	Euro-PCT Application	21 Dec 2007	07868003.0	17 Oct 2012	602007026204.6	CROSSLINKABLE VINYL FLUORIDE COPOLYMER COATED FILM AND PROCESS FOR MAKING SAME
FL0462 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Dec 2007	07868003.0	17 Oct 2012	2094748	CROSSLINKABLE VINYL FLUORIDE COPOLYMER COATED FILM AND PROCESS FOR MAKING SAME

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
FL0462 -FR- EPT	France	Euro-PCT Applicati on	21 Dec 2007	07868003.0	17 Oct 2012	2094748	CROSSLINKABLE VINYL FLUORIDE COPOLYMER COATED FILM AND PROCESS FOR MAKING SAME
FL0462 -JP- PCT	Japan	PCT Applicati on	21 Dec 2007	542966/09	21 Feb 2014	5478258	CROSSLINKABLE VINYL FLUORIDE COPOLYMER COATED FILM AND PROCESS FOR MAKING SAME
FL0462 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	21 Dec 2007	10-2009- 7015129	24 Dec 2014	1478374	CROSSLINKABLE VINYL FLUORIDE COPOLYMER COATED FILM AND PROCESS FOR MAKING SAME
FL0462 -US-NP	United States Of America	National Patent	21 Dec 2007	11/962135	28 Feb 2012	8124221	CROSSLINKABLE VINYL FLUORIDE COPOLYMER COATED FILM AND PROCESS FOR MAKING SAME
FL0546 -CN-NP	China	National Patent	11 Jan 2012	2012100075 88.4	29 Apr 2015	20121000758 8.4	A DIMENSIONAL STABLIZED FLUOROPOLYMER FILM USEFUL FOR ELECTRONIC DEVICES
GP1194 -DE- EPA	Germany	European Applicati on	29 Feb 2000	00104115.1	08 Apr 2009	50015610.7	PHOTOPOLYMER RECORDING ELEMENT AND PROCESS FOR PREPARING FLEXOGRAPHIC PRINTING PLATES
GP1194 -EP- EPA	European Procedur e (Patents)	European Applicati on	29 Feb 2000	00104115.1	08 Apr 2009	1033622	PHOTOPOLYMER RECORDING ELEMENT AND PROCESS FOR PREPARING FLEXOGRAPHIC PRINTING PLATES
GP1194 -FR- EPA	France	European Applicati on	29 Feb 2000	00104115.1	08 Apr 2009	1033622	PHOTOPOLYMER RECORDING ELEMENT AND PROCESS FOR PREPARING FLEXOGRAPHIC PRINTING PLATES
GP1194 -GB- EPA	United Kingdom	European Applicati on	29 Feb 2000	00104115.1	08 Apr 2009	1033622	PHOTOPOLYMER RECORDING ELEMENT AND PROCESS FOR PREPARING FLEXOGRAPHIC PRINTING PLATES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
GP1194 -JP-NP	Japan	National Patent	02 Mar 2000	57800/00	09 Oct 2009	4387025	PHOTOPOLYMER RECORDING ELEMENT AND PROCESS FOR PREPARING FLEXOGRAPHIC PRINTING PLATES
GP1194 -US-NP	United States Of America	National Patent	24 Feb 2000	09/511833	06 Jan 2004	6673509	PHOTOPOLYMER RECORDING ELEMENT AND PROCESS FOR PREPARING FLEXOGRAPHIC PRINTING PLATES
GP1196 -DE-EPA	Germany	European Application	10 Jul 2000	00114763.6	22 Sep 2004	60013980.8	METHOD FOR MOUNTING MULTIPLE PRINTING ELEMENTS ONTO A CYLINDRICAL ELEMENT
GP1196 -EP-EPA	European Procedure (Patents)	European Application	10 Jul 2000	00114763.6	22 Sep 2004	1072958	METHOD FOR MOUNTING MULTIPLE PRINTING ELEMENTS ONTO A CYLINDRICAL ELEMENT
GP1196 -FR-EPA	France	European Application	10 Jul 2000	00114763.6	22 Sep 2004	1072958	METHOD FOR MOUNTING MULTIPLE PRINTING ELEMENTS ONTO A CYLINDRICAL ELEMENT
GP1196 -GB-EPA	United Kingdom	European Application	10 Jul 2000	00114763.6	22 Sep 2004	1072958	METHOD FOR MOUNTING MULTIPLE PRINTING ELEMENTS ONTO A CYLINDRICAL ELEMENT
GP1196 -US-NP	United States Of America	National Patent	28 Jul 1999	09/362470	12 Sep 2000	6117615	METHOD FOR MOUNTING MULTIPLE PRINTING ELEMENTS ONTO A CYLINDRICAL ELEMENT
GP1201 -FR-EPA	France	European Application	17 May 2000	00110550.1	14 Apr 2004	1157852	INK RECEPTOR SHEET AND ITS PROCESS OF USE
GP1201 -GB-EPA	United Kingdom	European Application	17 May 2000	00110550.1	14 Apr 2004	1157852	INK RECEPTOR SHEET AND ITS PROCESS OF USE
GP1201 -IT-EPA	Italy	European Application	17 May 2000	00110550.1	14 Apr 2004	1157852	INK RECEPTOR SHEET AND ITS PROCESS OF USE
GP1201 -US-PCT	United States Of America	PCT Application	02 May 2001	10/276081	29 Aug 2006	7097298	INK RECEPTOR SHEET AND ITS PROCESS OF USE
GP1202 -JP-PCT	Japan	PCT Application	18 Apr 2001	584948/01	30 Mar 2012	4959089	PROCESS FOR PREPARING A FLEXOGRAPHIC PRINTING PLATE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
GP1202 -US- CNT	United States Of America	Continuation	13 Oct 2006	11/580666	25 Mar 2008	7348123	PROCESS FOR PREPARING A FLEXOGRAPHIC PRINTING PLATE
GP1202 -US- PCT	United States Of America	PCT Application	18 Apr 2001	10/258312	17 Oct 2006	7122295	PROCESS FOR PREPARING A FLEXOGRAPHIC PRINTING PLATE
GP1203 -DE- EPA	Germany	European Application	18 May 2000	00110644.2	21 Dec 2011	1158365	PROCESS AND APPARATUS FOR COATING ON PRINTING CYLINDERS
GP1203 -EP- EPA	European Procedure (Patents)	European Application	18 May 2000	00110644.2	21 Dec 2011	1158365	PROCESS AND APPARATUS FOR COATING ON PRINTING CYLINDERS
GP1203 -FR- EPA	France	European Application	18 May 2000	00110644.2	21 Dec 2011	1158365	PROCESS AND APPARATUS FOR COATING ON PRINTING CYLINDERS
GP1203 -GB- EPA	United Kingdom	European Application	18 May 2000	00110644.2	21 Dec 2011	1158365	PROCESS AND APPARATUS FOR COATING ON PRINTING CYLINDERS
GP1203 -JP-NP	Japan	National Patent	17 May 2001	148329/01	09 Mar 2012	4942882	PROCESS AND APPARATUS FOR COATING ON PRINTING CYLINDERS
GP1203 -US-NP	United States Of America	National Patent	09 May 2001	09/851551	11 Mar 2003	6531184	PROCESS AND APPARATUS FOR COATING ON PRINTING CYLINDERS
GP1206 -DE- EPT	Germany	Euro-PCT Application	14 Mar 2003	03714184.3	09 Jul 2008	60322030.4	PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE
GP1206 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	14 Mar 2003	03714184.3	09 Jul 2008	1483624	PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE
GP1206 -FR- EPT	France	Euro-PCT Application	14 Mar 2003	03714184.3	09 Jul 2008	1483624	PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE
GP1206 -GB- EPT	United Kingdom	Euro-PCT Application	14 Mar 2003	03714184.3	09 Jul 2008	1483624	PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE
GP1206 -JP- PCT	Japan	PCT Application	14 Mar 2003	577056/03	12 Dec 2008	4231791	PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
GP1212-DE-EPA	Germany	European Application	11 Nov 2005	05024705.5	12 Aug 2015	60200504719 4.4	AN APPARATUS AND PROCESS FOR FORMING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1212-EP-EPA	European Procedure (Patents)	European Application	11 Nov 2005	05024705.5	12 Aug 2015	1657593	AN APPARATUS AND PROCESS FOR FORMING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1212-FR-EPA	France	European Application	11 Nov 2005	05024705.5	12 Aug 2015	1657593	AN APPARATUS AND PROCESS FOR FORMING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1212-GB-EPA	United Kingdom	European Application	11 Nov 2005	05024705.5	12 Aug 2015	1657593	AN APPARATUS AND PROCESS FOR FORMING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1212-JP-NP	Japan	National Patent	11 Nov 2005	327957/05	04 Feb 2011	4676866	AN APPARATUS AND PROCESS FOR FORMING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1212-US-NP	United States Of America	National Patent	08 Nov 2005	11/269096	09 Sep 2008	7422840	AN APPARATUS AND PROCESS FOR FORMING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1215-DE-EPA	Germany	European Application	18 Jun 2009	09163152.3	06 Dec 2017	60200904970 0.6	PACKAGING ASSEMBLY FOR PRINTING PLATES
GP1215-EP-EPA	European Procedure (Patents)	European Application	18 Jun 2009	09163152.3	06 Dec 2017	2141543	PACKAGING ASSEMBLY FOR PRINTING PLATES
GP1215-FR-EPA	France	European Application	18 Jun 2009	09163152.3	06 Dec 2017	2141543	PACKAGING ASSEMBLY FOR PRINTING PLATES
GP1215-GB-EPA	United Kingdom	European Application	18 Jun 2009	09163152.3	06 Dec 2017	2141543	PACKAGING ASSEMBLY FOR PRINTING PLATES
GP1215-JP-NP	Japan	National Patent	02 Jul 2009	158037/09	19 Apr 2013	5250494	PACKAGING ASSEMBLY FOR PRINTING PLATES
GP1216-DE-EPA	Germany	European Application	28 Apr 2009	09158991.1	12 Dec 2012	60200901185 6.0	PROCESS AND APPARATUS HAVING AN ADJUSTABLE HEATER
GP1216-EP-EPA	European Procedure (Patents)	European Application	28 Apr 2009	09158991.1	12 Dec 2012	2124105	PROCESS AND APPARATUS HAVING AN ADJUSTABLE HEATER

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
GP1216 -FR- EPA	France	European Application	28 Apr 2009	09158991.1	12 Dec 2012	2124105	PROCESS AND APPARATUS HAVING AN ADJUSTABLE HEATER
GP1216 -GB- EPA	United Kingdom	European Application	28 Apr 2009	09158991.1	12 Dec 2012	2124105	PROCESS AND APPARATUS HAVING AN ADJUSTABLE HEATER
GP1216 -JP-NP	Japan	National Patent	20 May 2009	122266/09	04 Oct 2013	5377074	PROCESS AND APPARATUS HAVING AN ADJUSTABLE HEATER
GP1216 -US-NP	United States Of America	National Patent	23 Apr 2009	12/428592	29 Jan 2013	8359975	PROCESS AND APPARATUS HAVING AN ADJUSTABLE HEATER
GP1218 -DE- EPA	Germany	European Application	28 Apr 2009	09158993.7	24 Sep 2014	60200902679 5.7	APPARATUS AND PROCESS FOR POSITIONING A CYLINDRICALLY-SHAPED PRINTING ELEMENT
GP1218 -EP- EPA	European Procedure (Patents)	European Application	28 Apr 2009	09158993.7	24 Sep 2014	2120098	APPARATUS AND PROCESS FOR POSITIONING A CYLINDRICALLY-SHAPED PRINTING ELEMENT
GP1218 -FR- EPA	France	European Application	28 Apr 2009	09158993.7	24 Sep 2014	2120098	APPARATUS AND PROCESS FOR POSITIONING A CYLINDRICALLY-SHAPED PRINTING ELEMENT
GP1218 -GB- EPA	United Kingdom	European Application	28 Apr 2009	09158993.7	24 Sep 2014	2120098	APPARATUS AND PROCESS FOR POSITIONING A CYLINDRICALLY-SHAPED PRINTING ELEMENT
GP1218 -JP-NP	Japan	National Patent	14 May 2009	117810/09	12 Sep 2014	5611539	APPARATUS AND PROCESS FOR POSITIONING A CYLINDRICALLY-SHAPED PRINTING ELEMENT
GP1218 -US-NP	United States Of America	National Patent	23 Apr 2009	12/428735	12 Aug 2014	8800446	APPARATUS AND PROCESS FOR POSITIONING A CYLINDRICALLY-SHAPED PRINTING ELEMENT
GP1220 -DE- EPA	Germany	European Application	03 Jun 2010	10164881.4	29 Apr 2015	60201002425 0.1	AN APPARATUS AND PROCESS FOR EXPOSING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
GP1220-EP-EPA	European Procedure (Patents)	European Application	03 Jun 2010	10164881.4	29 Apr 2015	2264536	AN APPARATUS AND PROCESS FOR EXPOSING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1220-FR-EPA	France	European Application	03 Jun 2010	10164881.4	29 Apr 2015	2264536	AN APPARATUS AND PROCESS FOR EXPOSING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1220-GB-EPA	United Kingdom	European Application	03 Jun 2010	10164881.4	29 Apr 2015	2264536	AN APPARATUS AND PROCESS FOR EXPOSING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1220-JP-NP	Japan	National Patent	21 Jun 2010	140377/10	01 Aug 2014	5587680	AN APPARATUS AND PROCESS FOR EXPOSING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1220-US-NP	United States Of America	National Patent	19 Jun 2009	12/487815	25 Jun 2013	8468940	AN APPARATUS AND PROCESS FOR EXPOSING A PRINTING FORM HAVING A CYLINDRICAL SUPPORT
GP1223-EP-EPT	European Procedure (Patents)	Euro-PCT Application	16 Apr 2014	14724956.9			AN EXPOSURE APPARATUS AND A METHOD FOR EXPOSING A PHOTOSENSITIVE ELEMENT AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PHOTOSENSITIVE ELEMENT
GP1223-JP-PCT	Japan	PCT Application	16 Apr 2014	2016-509040	27 Jul 2018	6374484	AN EXPOSURE APPARATUS AND A METHOD FOR EXPOSING A PHOTOSENSITIVE ELEMENT AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PHOTOSENSITIVE ELEMENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
GP1223 -US-DIV	United States Of America	National Patent Divisional	26 Oct 2015	14/922478	27 Dec 2016	9529263	AN EXPOSURE APPARATUS AND A METHOD FOR EXPOSING A PHOTOSENSITIVE ELEMENT AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PHOTOSENSITIVE ELEMENT
GP1223 -US-NP	United States Of America	National Patent	03 Apr 2014	14/244248	21 Jun 2016	9372407	AN EXPOSURE APPARATUS AND A METHOD FOR EXPOSING A PHOTOSENSITIVE ELEMENT AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PHOTOSENSITIVE ELEMENT
GP1224 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	16 Apr 2014	14724957.7			AN EXPOSURE APPARATUS AND A METHOD FOR CONTROLLING RADIATION FROM A LAMP FOR EXPOSING A PHOTOSENSITIVE ELEMENT
GP1224 -JP-PCT	Japan	PCT Application	16 Apr 2014	2016-509042	06 Jul 2018	6363698	AN EXPOSURE APPARATUS AND A METHOD FOR CONTROLLING RADIATION FROM A LAMP FOR EXPOSING A PHOTOSENSITIVE ELEMENT
GP1224 -US-NP	United States Of America	National Patent	03 Apr 2014	14/244293	06 Sep 2016	9436090	AN EXPOSURE APPARATUS AND A METHOD FOR CONTROLLING RADIATION FROM A LAMP FOR EXPOSING A PHOTOSENSITIVE ELEMENT
HP0005 -JP-NP	Japan	National Patent	03 Feb 2006	027546/06	17 Jun 2011	4764192	POLYIMIDE COMPOSITE COVERLAYS AND METHODS AND COMPOSITIONS RELATING THERETO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
HP0005 -US-NP	United States Of America	National Patent	15 Mar 2005	11/080608	05 Aug 2009	7579134	POLYIMIDE COMPOSITE COVERLAYS AND METHODS AND COMPOSITIONS RELATING THERETO
HP0022 -DE-EPA	Germany	European Application	22 Sep 2003	03255921.3	03 Dec 2008	1400552	HIGH MODULUS POLYIMIDE COMPOSITIONS USEFUL AS DIELECTRIC SUBSTRATES FOR ELECTRONICS APPLICATIONS, AND METHODS RELATING THERETO
HP0022 -EP-EPA	European Procedure (Patents)	European Application	22 Sep 2003	03255921.3	03 Dec 2008	1400552	HIGH MODULUS POLYIMIDE COMPOSITIONS USEFUL AS DIELECTRIC SUBSTRATES FOR ELECTRONICS APPLICATIONS, AND METHODS RELATING THERETO
HP0022 -US-NP	United States Of America	National Patent	20 Sep 2002	10/251134	18 Oct 2005	6956098	HIGH MODULUS POLYIMIDE COMPOSITIONS USEFUL AS DIELECTRIC SUBSTRATES FOR ELECTRONICS APPLICATIONS, AND METHODS RELATING THERETO
HP0028 -JP-NP	Japan	National Patent	24 Aug 2000	2000-253420			POLYIMIDE FILM, METHOD OF MANUFACTURE, AND METAL INTERCONNECT BOARD WITH POLYIMIDE FILM SUBSTRATE
HP0028 -JP-NP[1]	Japan	National Patent	22 Aug 2001	2001-251557			POLYIMIDE FILM, METHOD OF MANUFACTURE, AND METAL INTERCONNECT BOARD WITH POLYIMIDE FILM SUBSTRATE
HP0028 -US-PCT	United States Of America	PCT Application	23 Aug 2001	10/343277	21 Jun 2005	6908685	POLYIMIDE FILM, METHOD OF MANUFACTURE, AND METAL INTERCONNECT BOARD WITH POLYIMIDE FILM SUBSTRATE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
HP0033 -JP-NP	Japan	National Patent	21 Oct 2003	361039/03	02 Jul 2010	4540964	LOW TEMPERATURE POLYIMIDE ADHESIVE COMPOSITIONS AND METHODS RELATING THERETO
HP0033 -US-DIV	United States Of America	National Patent Divisional	18 Nov 2005	11/282415	25 Mar 2008	7348064	LOW TEMPERATURE POLYIMIDE ADHESIVE COMPOSITIONS AND METHODS RELATING THERETO
HP0033 -US-DIV[1]	United States Of America	National Patent Divisional	18 Nov 2005	11/283214	25 Mar 2008	7348080	LOW TEMPERATURE POLYIMIDE ADHESIVE COMPOSITIONS AND METHODS RELATING THERETO
HP0033 -US-NP	United States Of America	National Patent	26 Nov 2002	10/305303	11 Apr 2006	7026436	LOW TEMPERATURE POLYIMIDE ADHESIVE COMPOSITIONS AND METHODS RELATING THERETO
HP0035 -JP-NP	Japan	National Patent	24 Nov 2005	339134/05	10 Jun 2011	4758737	LOW-TEMPERATURE CURABLE PHOTOSENSITIVE COMPOSITIONS
HP0035 -US-DIV	United States Of America	National Patent Divisional	10 Nov 2005	11/271267	13 Jan 2009	7476489	LOW-TEMPERATURE CURABLE PHOTOSENSITIVE COMPOSITIONS
HP0035 -US-NP	United States Of America	National Patent	23 Nov 2004	10/997701	28 Apr 2009	7524617	LOW-TEMPERATURE CURABLE PHOTOSENSITIVE COMPOSITIONS
HP0039 -JP-NP	Japan	National Patent	22 Dec 2004	372027/04	10 Feb 2012	4920886	POLYIMIDE BASED COMPOSITIONS COMPRISING DOPED POLYANILINE AND METHODS AND COMPOSITIONS RELATING THERETO
HP0039 -US-DIV	United States Of America	National Patent Divisional	12 Dec 2007	11/955053	04 Aug 2009	7569271	POLYIMIDE BASED COMPOSITIONS COMPRISING DOPED POLYANILINE AND METHODS AND COMPOSITIONS RELATING THERETO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
HP0039 -US-NP	United States Of America	National Patent	30 Dec 2003	10/748940	08 Jan 2008	7316791	POLYIMIDE BASED COMPOSITIONS COMPRISING DOPED POLYANILINE AND METHODS AND COMPOSITIONS RELATING THERETO
HP0040 -US-NP	United States Of America	National Patent	17 May 2002	10/150233	12 Jul 2005	6916544	LAMINATE TYPE MATERIALS FOR FLEXIBLE CIRCUITS OR SIMILAR-TYPE ASSEMBLIES AND METHODS RELATING THERETO
HP0043 -JP-NP	Japan	National Patent	09 Dec 2003	411064/03	12 Aug 2011	4801319	POLYIMIDE SUBSTRATES HAVING ENHANCED FLATNESS, ISOTROPY AND THERMAL DIMENSIONAL STABILITY, AND METHODS AND COMPOSITIONS RELATING THERETO
HP0043 -US-NP	United States Of America	National Patent	04 Apr 2003	10/407582	27 Sep 2005	6949296	POLYIMIDE SUBSTRATES HAVING ENHANCED FLATNESS, ISOTROPY AND THERMAL DIMENSIONAL STABILITY, AND METHODS AND COMPOSITIONS RELATING THERETO
HP0062 -JP-NP	Japan	National Patent	03 Jun 2004	2004-166441	11 Mar 2011	4700294	HIGH TEMPERATURE POLYMERIC MATERIALS CONTAINING CORONA RESISTANT COMPOSITE FILLER, AND METHODS RELATING THERETO
HP0062 -US-NP	United States Of America	National Patent	04 Jun 2003	10/454359	21 Mar 2006	7015260	HIGH TEMPERATURE POLYMERIC MATERIALS CONTAINING CORONA RESISTANT COMPOSITE FILLER, AND METHODS RELATING THERETO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
HP0083 -DE- EPA	Germany	European Application	14 Jul 2004	04254225.8	14 Oct 2009	60200402356 5.2	DIELECTRIC SUBSTRATES COMPRISING A POLYIMIDE CORE LAYER AND A HIGH TEMPERATURE FLUOROPOLYMER BONDING LAYER, AND METHODS RELATING THERETO
HP0083 -EP- EPA	European Procedure (Patents)	European Application	14 Jul 2004	04254225.8	14 Oct 2009	1498909	DIELECTRIC SUBSTRATES COMPRISING A POLYIMIDE CORE LAYER AND A HIGH TEMPERATURE FLUOROPOLYMER BONDING LAYER, AND METHODS RELATING THERETO
HP0083 -JP-NP	Japan	National Patent	12 Jul 2004	204941/04	18 Nov 2011	4865995	DIELECTRIC SUBSTRATES COMPRISING A POLYIMIDE CORE LAYER AND A HIGH TEMPERATURE FLUOROPOLYMER BONDING LAYER, AND METHODS RELATING THERETO
HP0083 -US-NP	United States Of America	National Patent	14 Jul 2003	10/620089	04 Apr 2006	7022402	DIELECTRIC SUBSTRATES COMPRISING A POLYIMIDE CORE LAYER AND A HIGH TEMPERATURE FLUOROPOLYMER BONDING LAYER, AND METHODS RELATING THERETO
HP0087 -JP-NP	Japan	National Patent	10 Nov 2004	327010/04	11 Jun 2010	4528093	MULTILAYER SUBSTRATES HAVING AT LEAST TWO DISSIMILAR POLYIMIDE LAYERS, USEFUL FOR ELECTRONICS-TYPE APPLICATIONS, AND COMPOSITIONS RELATING THERETO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
HP0087 -US-NP	United States Of America	National Patent	12 Nov 2003	10/706000	23 Oct 2007	7285321	MULTILAYER SUBSTRATES HAVING AT LEAST TWO DISSIMILAR POLYIMIDE LAYERS, USEFUL FOR ELECTRONICS-TYPE APPLICATIONS, AND COMPOSITIONS RELATING THERETO
HP0090 -US-DIV	United States Of America	National Patent Divisional	26 Jun 2009	12/492294	06 Apr 2010	7691471	POLYCYCLIC POLYIMIDES AND COMPOSITIONS AND METHODS RELATING THERETO
HP0090 -US-NP	United States Of America	National Patent	16 Sep 2005	11/229110	11 Aug 2009	7572878	POLYCYCLIC POLYIMIDES AND COMPOSITIONS AND METHODS RELATING THERETO
HP0096 -JP-NP	Japan	National Patent	21 Dec 2005	368190/2005	13 Apr 2012	4970789	CAPACITIVE DEVICES, ORGANIC DIELECTRIC LAMINATES, AND PRINTED WIRING BOARDS INCORPORATING SUCH DEVICES, AND METHODS OF MAKING THEREOF
HP0096 -US-NP	United States Of America	National Patent	15 Dec 2005	11/304779	24 Feb 2009	7495887	CAPACITIVE DEVICES, ORGANIC DIELECTRIC LAMINATES, AND PRINTED WIRING BOARDS INCORPORATING SUCH DEVICES, AND METHODS OF MAKING THEREOF
HP0097 -US-NP	United States Of America	National Patent	30 Dec 2005	11/322586	04 Mar 2008	7338715	LOW TEMPERATURE CURE POLYIMIDE COMPOSITIONS RESISTANT TO ARC TRACKING AND METHODS RELATING THERETO
HP0099 -US-CIP	United States Of America	Continuation-in-Part	20 Dec 2006	11/642184	17 Nov 2009	7618766	FLAME RETARDANT PHOTOIMAGABLE COVERLAY COMPOSITIONS AND METHODS RELATING THERETO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
HP0100 -JP- PCT	Japan	PCT Applicati on	01 Mar 2007	502810/09	06 Sep 2013	5357749	POLYIMIDE BASED COMPOSITIONS USEFUL IN HIGH FREQUENCY CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO
HP0102 -JP-NP	Japan	National Patent	19 Jul 2007	188517/07	11 Jan 2013	5171140	FLAME RETARDANT MULTI-LAYER PHOTOIMAGABLE COVERLAY COMPOSITIONS AND METHODS RELATING THERETO
HP0102 -US-NP	United States Of America	National Patent	19 Jul 2006	11/488996	05 May 2009	7527915	FLAME RETARDANT MULTI-LAYER PHOTOIMAGABLE COVERLAY COMPOSITIONS AND METHODS RELATING THERETO
HP0104 -US-NP	United States Of America	National Patent	03 Aug 2005	11/195902	23 Jun 2009	7550194	LOW COLOR POLYIMIDE COMPOSITIONS USEFUL IN OPTICAL TYPE APPLICATIONS AND METHODS AND COMPOSITIONS RELATING THERETO
HP0134 -US-NP	United States Of America	National Patent	19 Nov 2007	11/985950	20 Oct 2009	7604754	RESISTOR COMPOSITIONS FOR ELECTRONIC CIRCUITRY APPLICATIONS
HP0157 -CN- PCT	China	PCT Applicati on	01 Mar 2010	2010800114 15.9	27 Aug 2014	20108001141 5.9	MULTILAYER FILM FOR ELECTRONIC CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO
HP0157 -DE- EPT	Germany	Euro- PCT Applicati on	01 Mar 2010	10706879.3	22 Apr 2015	60201002409 9.1	MULTILAYER FILM FOR ELECTRONIC CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO
HP0157 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	01 Mar 2010	10706879.3	22 Apr 2015	2404487	MULTILAYER FILM FOR ELECTRONIC CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
HP0157 -HK- FPR	Hong Kong	Foreign Patent Registration	01 Jun 2012	12105368.9	31 Jul 2015	1165179	MULTILAYER FILM FOR ELECTRONIC CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO
HP0157 -JP- PCD	Japan	PCT Application Divisional	03 Sep 2014	2014-179388	11 Mar 2016	5898278	MULTILAYER FILM FOR ELECTRONIC CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO
HP0157 -JP- PCT	Japan	PCT Application	01 Mar 2010	553008/11	12 Sep 2014	5611993	MULTILAYER FILM FOR ELECTRONIC CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO
HP0157 -KR- PCT	South Korea / Republic of Korea	PCT Application	01 Mar 2010	10-2011-7023394	14 Feb 2017	10-1708520	MULTILAYER FILM FOR ELECTRONIC CIRCUITRY APPLICATIONS AND METHODS RELATING THERETO
HP0169 -DE- PCT	Germany	PCT Application	17 Mar 2011	112011100976.3			FILM BASED HEATING DEVICE AND METHODS RELATING THERETO
HP0169 -HK- FPR	Hong Kong	Foreign Patent Registration	02 Aug 2013	1176584			FILM BASED HEATING DEVICE AND METHODS RELATING THERETO
HP0169 -JP- PCT	Japan	PCT Application	17 Mar 2011	500202/13	12 Sep 2014	5612191	FILM BASED HEATING DEVICE AND METHODS RELATING THERETO
HP0169 -US-NP	United States Of America	National Patent	19 Mar 2010	12/727845	11 Sep 2012	8263202	FILM BASED HEATING DEVICE AND METHODS RELATING THERETO
HP0172 -DE- PCT	Germany	PCT Application	11 May 2009	112009001229.9	29 Oct 2015	112009001229	THERMALLY AND DIMENSIONALLY STABLE POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0172 -JP- PCT	Japan	PCT Application	11 May 2009	510570/11	23 Aug 2013	5346078	THERMALLY AND DIMENSIONALLY STABLE POLYIMIDE FILMS AND METHODS RELATING THERETO

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HP0174 -CN-NP	China	National Patent	25 Sep 2010	201010500645.3	01 Apr 2015	201010500645.3	THIN FILM TRANSISTOR COMPOSITIONS, AND METHODS RELATING THERETO
HP0174 -JP-NP	Japan	National Patent	22 Nov 2010	259876/10	17 Apr 2015	5731171	THIN FILM TRANSISTOR COMPOSITIONS, AND METHODS RELATING THERETO
HP0174 -US-NP	United States Of America	National Patent	20 Nov 2009	12/622789	27 Nov 2012	8319299	THIN FILM TRANSISTOR COMPOSITIONS, AND METHODS RELATING THERETO
HP0176 -CN-PCD	China	PCT Application Divisional	21 Jan 2014	201410027400.1	24 Aug 2016	201410027400.1	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -CN-PCT	China	PCT Application	03 Aug 2010	201080038585.6	23 Jan 2014	201080038585.6	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -DE-EPT	Germany	Euro-PCT Application	03 Aug 2010	10740114.3	31 Dec 2014	602010021434.6.	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	03 Aug 2010	10740114.3	31 Dec 2014	2462181	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -HK-FPR	Hong Kong	Foreign Patent Registration	25 Oct 2012	12110714.0	21 Nov 2014	1170001	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -HK-FPR[2]	Hong Kong	Foreign Patent Registration	23 Oct 2013	13111898.5			MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -JP-PCT	Japan	PCT Application	03 Aug 2010	523689/12	08 Nov 2013	5405666	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -KR-PCT	South Korea / Republic of Korea	PCT Application	03 Aug 2010	10-2012-7005601	08 Jun 2017	10-1747460	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -TW-DIV	Taiwan	National Patent Divisional	31 Oct 2013	102139502	01 Feb 2016	1519576	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO

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HP0176 -TW- NP	Taiwan	National Patent	03 Aug 2010	099125775	01 Feb 2014	I425034	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -TW- NP[1]	Taiwan	National Patent	15 Feb 2011	100105149	01 Apr 2014	I432321	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -US- CNT	United States Of America	Continuation	01 Jun 2012	13/486284	14 May 2013	8440315	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0176 -US-NP	United States Of America	National Patent	23 Jul 2010	12/842174	05 Nov 2013	8574720	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0179 -JP-NP	Japan	National Patent	17 Sep 2010	209827/10	28 Feb 2014	5485847	ASSEMBLIES COMPRISING A THERMALLY AND DIMENSIONALLY STABLE POLYIMIDE FILM, AN ELECTRODE AND A LIGHT ABSORBER LAYER, AND METHODS RELATING THERETO
HP0182 -CN- PCT	China	PCT Application	12 Aug 2010	201080039588.1	11 Mar 2015	201080039588.1	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0182 -DE- PCT	Germany	PCT Application	12 Aug 2010	112010003265.3			MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0182 -HK- FPR	Hong Kong	Foreign Patent Registration	25 Oct 2012	12110707.9	15 Jul 2016	1170002	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0182 -JP- PCT	Japan	PCT Application	12 Aug 2010	524865/12	19 Sep 2014	5616448	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0182 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Aug 2010	10-2012-7006368	25 Aug 2017	10-1773633	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0182 -TW- NP	Taiwan	National Patent	13 Aug 2010	099127163	21 May 2015	I485069	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO

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HP0182 -US-NP	United States Of America	National Patent	05 Aug 2010	12/850739	24 Sep 2013	8541107	PIGMENTED POLYIMIDE FILMS AND METHODS THERETO
HP0184 -US-NP	United States Of America	National Patent	30 Oct 2009	12/609702	14 Feb 2012	8114500	POLYIMIDE FILM AND METHOD OF MANUFACTURE THEREOF
HP0188 -TW-NP	Taiwan	National Patent	30 Mar 2010	099109680	21 Oct 2014	I457408	BLACK POLYIMIDE FILM AND COPPER CLAD LAMINATE CONTAINING THE SAME
HP0190 -HK-FPR	Hong Kong	Foreign Patent Registration	19 Dec 2011	11113685.0			INTERPOSER FILMS USEFUL IN SEMICONDUCTOR PACKAGING APPLICATIONS, AND METHODS RELATING THERETO
HP0202 -US-NP	United States Of America	National Patent	15 Dec 2011	13/326629	14 Jan 2014	8629464	THREE DIMENSIONAL LIGHT EMITTING DIODE SYSTEMS, AND COMPOSITIONS AND METHODS RELATING THERETO
HP0205 -JP-NP	Japan	National Patent	17 Sep 2010	209828/10			ASSEMBLIES COMPRISING A THERMALLY AND DIMENSIONALLY STABLE POLYIMIDE FILM, AN ELECTRODE AND AN ABSORBER LAYER, AND METHODS RELATING THERETO
HP0207 -CN-PCT	China	PCT Application	01 Jun 2011	2011800397 44.9	16 Nov 2016	103081145	LIGHT EMITTING DIODE ASSEMBLY AND METHODS RELATING THERETO
HP0207 -DE-PCT	Germany	PCT Application	01 Jun 2011	1120111027 26.5			LIGHT EMITTING DIODE ASSEMBLY AND METHODS RELATING THERETO
HP0207 -HK-FPR	Hong Kong	Foreign Patent Registration	04 Sep 2013	13110303.6	09 Feb 2018	1183160	LIGHT EMITTING DIODE ASSEMBLY AND METHODS RELATING THERETO
HP0207 -US-PCT	United States Of America	PCT Application	01 Jun 2011	13/814755	03 Mar 2015	8969909	LIGHT EMITTING DIODE ASSEMBLY AND METHODS RELATING THERETO

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HP0209 -US-NP	United States Of America	National Patent	01 Jun 2011	13/150556	07 Oct 2014	8853723	LIGHT EMITTING DIODE ASSEMBLY AND THERMAL CONTROL BLANKET AND METHODS RELATING THERETO
HP0212 -US-NP	United States Of America	National Patent	23 Nov 2010	12/952474	21 May 2013	8445099	POLYIMIDE FILM
HP0213 -US-NP	United States Of America	National Patent	15 Dec 2011	13/326623	28 Jan 2014	8637880	THREE DIMENSIONAL LIGHT EMITTING DIODE SYSTEMS, AND COMPOSITIONS AND METHODS RELATING THERETO
HP0216 -US-NP	United States Of America	National Patent	15 Dec 2011	13/326619			THREE DIMENSIONAL LIGHT EMITTING DIODE SYSTEMS, AND COMPOSITIONS AND METHODS RELATING THERETO
HP0219 -CN-PCT	China	PCT Application	18 Jun 2012	2012800298 47.1	19 Aug 2015	20128002984 7.1	COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0219 -DE-EPT	Germany	Euro-PCT Application	18 Jun 2012	12750627.7	19 Aug 2015	60201200983 0.9	COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0219 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Jun 2012	12750627.7	19 Aug 2015	2723806	COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0219 -HK-FPR	Hong Kong	Foreign Patent Registration	30 Jun 2014	14106590.5			COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0219 -JP-PCT	Japan	PCT Application	18 Jun 2012	2014-517043	07 Oct 2016	6018193	COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0219 -KR-PCT	South Korea / Republic of Korea	PCT Application	18 Jun 2012	10-2014-7001597			COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0222 -CN-PCT	China	PCT Application	18 Jun 2012	2012800297 74.6	25 Nov 2015	20128002977 4.6	COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0222 -DE-EPT	Germany	Euro-PCT Application	18 Jun 2012	12731829.3	26 Jul 2017	60201203500 2.4	COLORLED POLYIMIDE FILMS AND METHODS RELATING THERETO

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HP0222 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	18 Jun 2012	12731829.3	26 Jul 2017	2723805	COLORED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0222 -HK- FPR	Hong Kong	Foreign Patent Registrat ion	27 Jun 2014	14106496.0			COLORED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0222 -JP- PCT	Japan	PCT Applicati on	18 Jun 2012	2014- 517045	07 Oct 2016	6018194	COLORED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0222 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	18 Jun 2012	10-2014- 7001598			COLORED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0222 -US- PCT	United States Of America	PCT Applicati on	18 Jun 2012	14/118389	05 Apr 2016	9303136	COLORED POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0226 -CN- PCT	China	PCT Applicati on	21 Jun 2013	2013800427 30.1	06 Mar 2018	20138004273 0.1	POLYIMIDE METAL CLAD LAMINATE
HP0226 -JP- PCT	Japan	PCT Applicati on	21 Jun 2013	2015- 518586	10 Mar 2017	6105724	POLYIMIDE METAL CLAD LAMINATE
HP0228 -DE-RD	Germany	Registere d Design	19 Sep 2012	4020120043 65.6	26 Nov 2012	40201200436 5.6	LED LIGHT
HP0228 -JP-RD	Japan	Registere d Design	19 Sep 2012	22665/12	07 Jun 2013	1474213	LED LIGHT
HP0228 -KR- RD	South Korea / Republic of Korea	Registere d Design	19 Sep 2012	30-2012- 45294	07 Aug 2014	756777	LED LIGHT
HP0228 -TW- RD	Taiwan	Registere d Design	25 Jul 2012	101304396	21 Apr 2014	D160132	LED LIGHT
HP0228 -US-DP	United States Of America	Design Patent	31 Jan 2012	29/412126	13 Aug 2013	D687980	LED LIGHT
HP0229 -JP-RD	Japan	Registere d Design	17 Sep 2012	22666/12	05 Apr 2013	1468983	LED LIGHT

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HP0229 -KR- RD	South Korea / Republic of Korea	Registered Design	19 Sep 2012	30-2012-45295	12 Mar 2014	0734691	LED LIGHT
HP0229 -TW- RD	Taiwan	Registered Design	30 Jul 2012	101304397	21 Jan 2014	D158613	LED LIGHT
HP0229 -US-DP	United States Of America	Design Patent	31 Jan 2012	29/412127	09 Jul 2013	D685932	LED LIGHT
HP0234 -CN- PCT	China	PCT Application	21 Jun 2013	201380042677.5			POLYIMIDE METAL CLAD LAMINATE
HP0235 -CN- PCT	China	PCT Application	21 Jun 2013	201380042674.1	09 Feb 2018	201380042674.1	CIRCUIT BOARD
HP0236 -CN- PCT	China	PCT Application	21 Jun 2013	201380042695.3	30 Mar 2018	201380042695.3	CIRCUIT BOARD
HP0236 -JP- PCT	Japan	PCT Application	21 Jun 2013	2015-518585	12 May 2017	6139676	CIRCUIT BOARD
HP0236 -US- PCT	United States Of America	PCT Application	21 Jun 2013	14/409965	14 Mar 2017	9596757	CIRCUIT BOARD
HP0237 -CN- PCT	China	PCT Application	21 Jun 2013	201380042680.7	01 May 2018	201380042680.7	CIRCUIT BOARD
HP0237 -US- PCT	United States Of America	PCT Application	21 Jun 2013	14/410116	28 Feb 2017	9585249	CIRCUIT BOARD
HP0238 -US- CIP	United States Of America	Continuation-in-Part	24 Sep 2012	13/625167	25 Apr 2017	9631054	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0238 -US- CNT	United States Of America	Continuation	08 Mar 2017	15/453114			MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO
HP0239 -US- CIP	United States Of America	Continuation-in-Part	24 Sep 2012	13/625192	27 Mar 2018	9926415	MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO

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IJ0011-IT-EPT	Italy	Euro-PCT Application	05 Jun 2001	01946095.5	13 Feb 2008	1287081	SELF-DISPERSING PIGMENT AND PROCESS OF MAKING AND USE OF SAME
IJ0011-JP-PCT	Japan	PCT Application	05 Jun 2001	502021/02	06 Dec 2013	5424520	SELF-DISPERSING PIGMENT AND PROCESS OF MAKING AND USE OF SAME
IJ0011-SG-PCT	Singapore	PCT Application	05 Jun 2001	200206538.1	30 Dec 2004	92576	SELF-DISPERSING PIGMENT AND PROCESS OF MAKING AND USE OF SAME
IJ0011-US-NP	United States Of America	National Patent	23 May 2001	09/863167	08 Feb 2005	6852156	SELF-DISPERSING PIGMENT AND PROCESS OF MAKING AND USE OF SAME
IJ0026-JP-PCT	Japan	PCT Application	01 Nov 2002	542287/03			IMPROVED MEDIA MILL PROCESS
IJ0031-JP-PCT	Japan	PCT Application	16 Jan 2003	562200/2003			SMEAR RESISTANT INKJET INKS
IJ0031-US-NP	United States Of America	National Patent	16 Jan 2003	10/346041	13 Feb 2007	7176248	SMEAR RESISTANT INKJET INKS
IJ0032-DE-EPT	Germany	Euro-PCT Application	12 Feb 2003	03739784.1	26 Mar 2008	60319958.5	INKJET PRINTED TEXTILES WITH IMPROVED DURABILITY
IJ0032-EP-EPT	European Procedure (Patents)	Euro-PCT Application	12 Feb 2003	03739784.1	26 Mar 2008	1474565	INKJET PRINTED TEXTILES WITH IMPROVED DURABILITY
IJ0032-FR-EPT	France	Euro-PCT Application	12 Feb 2003	03739784.1	26 Mar 2008	1474565	INKJET PRINTED TEXTILES WITH IMPROVED DURABILITY
IJ0032-GB-EPT	United Kingdom	Euro-PCT Application	12 Feb 2003	03739784.1	26 Mar 2008	1474565	INKJET PRINTED TEXTILES WITH IMPROVED DURABILITY
IJ0032-IT-EPT	Italy	Euro-PCT Application	12 Feb 2003	03739784.1	26 Mar 2008	1474565	INKJET PRINTED TEXTILES WITH IMPROVED DURABILITY
IJ0034-DE-EPT	Germany	Euro-PCT Application	03 Jun 2003	03757308.6	12 Oct 2005	60301885.8	INKJET INKS WITH INCREASED OPTICAL DENSITY

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IJ0034-EP-EPT	European Procedure (Patents)	Euro-PCT Application	03 Jun 2003	03757308.6	12 Oct 2005	1509579	INKJET INKS WITH INCREASED OPTICAL DENSITY
IJ0034-US-NP	United States Of America	National Patent	29 May 2003	10/447932	31 May 2005	6899754	INKJET INKS WITH INCREASED OPTICAL DENSITY
IJ0044-DE-EPT	Germany	Euro-PCT Application	14 May 2004	04776011.1	29 Jul 2009	60200402228 3.6	INKJET INK
IJ0044-EP-EPT	European Procedure (Patents)	Euro-PCT Application	14 May 2004	04776011.1	29 Jul 2009	1625186	INKJET INK
IJ0044-JP-PCT	Japan	PCT Application	14 May 2004	533106/06	24 May 2013	5276268	INKJET INK
IJ0044-US-CNT	United States Of America	Continuation	08 Aug 2007	11/891087	29 Apr 2014	8710116	INKJET INK
IJ0049-EP-EPT	European Procedure (Patents)	Euro-PCT Application	14 Jan 2004	04702231.4	28 Feb 2007	1583805	INKJET INK SET AND METHOD OF USING SAME
IJ0052-US-NP	United States Of America	National Patent	16 Mar 2004	10/801466	17 Oct 2006	7122077	INKJET INK SET AND METHOD OF USING SAME
IJ0058-DE-EPT	Germany	Euro-PCT Application	21 Jan 2005	05712076.8	02 Jan 2008	60200500411 8.4	INKJET INKS CONTAINING CROSSLINKED POLYURETHANES
IJ0058-EA-EAT	Eurasian Procedure	Eurasian-PCT Application	21 Jan 2005	PCT/US05/02463			INKJET INKS CONTAINING CROSSLINKED POLYURETHANES
IJ0058-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Jan 2005	05712076.8	02 Jan 2008	1706465	INKJET INKS CONTAINING CROSSLINKED POLYURETHANES
IJ0058-FR-EPT	France	Euro-PCT Application	21 Jan 2005	05712076.8	02 Jan 2008	1706465	INKJET INKS CONTAINING CROSSLINKED POLYURETHANES
IJ0058-GB-EPT	United Kingdom	Euro-PCT Application	21 Jan 2005	05712076.8	02 Jan 2008	1706465	INKJET INKS CONTAINING CROSSLINKED POLYURETHANES

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IJ0058-US-CNT	United States Of America	Continuation	12 Jun 2008	12/157632	05 Jul 2016	9382435	INKJET INKS CONTAINING CROSSLINKED POLYURETHANES
IJ0076-US-NP	United States Of America	National Patent	31 May 2005	11/140701	01 Apr 2008	7351278	ADDITIVE FOR HIGH OPTICAL DENSITY INKJET INK
IJ0078-EP-EPT	European Procedure (Patents)	Euro-PCT Application	27 Jul 2005	05775466.5	04 Mar 2009	1778799	FIXING FLUID AND INKJET INK SETS COMPRISING SAME
IJ0080-DE-EPT	Germany	Euro-PCT Application	15 Jun 2005	05759565.4	20 May 2009	60200501455 8.3	INK JET INK
IJ0080-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Jun 2005	05759565.4	20 May 2009	1784462	INK JET INK
IJ0080-US-CNT	United States Of America	Continuation	28 Jan 2008	12/011618	22 Sep 2009	7592378	INK JET INK
IJ0082-EP-EPT	European Procedure (Patents)	Euro-PCT Application	11 May 2005	05749525.1	01 Dec 2010	1744897	INKJET INK PRINTING METHOD
IJ0083-DE-EPT	Germany	Euro-PCT Application	21 Apr 2005	05738866.2	16 Jul 2008	1745111	INKJET INK SET FOR IMPROVED COLOR REPRODUCTION
IJ0083-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Apr 2005	05738866.2	16 Jul 2008	1745111	INKJET INK SET FOR IMPROVED COLOR REPRODUCTION
IJ0083-US-NP	United States Of America	National Patent	13 Apr 2005	11/105258	29 Jul 2008	7404849	INKJET INK SET FOR IMPROVED COLOR REPRODUCTION
IJ0086-US-NP	United States Of America	National Patent	09 Jun 2005	11/148905	15 Jul 2008	7399351	PIGMENTED INKJET INK AND INK SET
IJ0110-US-CNT	United States Of America	Continuation	12 Jun 2008	12/157633	09 Feb 2016	9255207	INKJET INKS CONTAINING CROSSLINKED POLYURETHANES
IJ0111-KR-PCT	South Korea / Republic of Korea	PCT Application	10 Nov 2010	10-2012-7014790	24 Nov 2017	10-1803586	SMEAR RESISTANT INKJET INKS

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IJ0111-US-PCT	United States Of America	PCT Application	10 Nov 2010	13/508554	28 Jul 2015	9090734	SMEAR RESISTANT INKJET INKS
IJ0121-JP-PCT	Japan	PCT Application	02 Aug 2006	525137/08	08 Mar 2013	5216585	INKJET INK SET
IJ0121-US-NP	United States Of America	National Patent	21 Jul 2006	11/490598	28 Oct 2008	7442243	INKJET INK SET
IJ0122-US-NP	United States Of America	National Patent	01 Jul 2005	11/173595	01 May 2007	7211129	INKJET INK SET
IJ0124-US-NP	United States Of America	National Patent	11 Oct 2007	11/974253	17 Mar 2009	7503969	INKJET INK
IJ0130-US-NP	United States Of America	National Patent	04 Nov 2005	11/267464	16 Oct 2007	7282089	INKJET INK SET
IJ0131-US-NP	United States Of America	National Patent	19 Jul 2006	11/489121	09 Oct 2007	7279032	INKJET INK AND INK SET
IJ0132-DE-EPT	Germany	Euro-PCT Application	15 Sep 2006	06824974.7	25 Aug 2010	1924658	AQUEOUS INKJET INK
IJ0132-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Sep 2006	06824974.7	25 Aug 2010	1924658	AQUEOUS INKJET INK
IJ0132-FR-EPT	France	Euro-PCT Application	15 Sep 2006	06824974.7	25 Aug 2010	1924658	AQUEOUS INKJET INK
IJ0132-GB-EPT	United Kingdom	Euro-PCT Application	15 Sep 2006	06824974.7	25 Aug 2010	1924658	AQUEOUS INKJET INK
IJ0132-IT-EPT	Italy	Euro-PCT Application	15 Sep 2006	06824974.7	25 Aug 2010	1924658	AQUEOUS INKJET INK
IJ0141-US-NP	United States Of America	National Patent	19 Oct 2005	11/253454	29 May 2007	7223300	INKJET INK SET

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IJ0142-US-NP	United States Of America	National Patent	16 Nov 2005	11/280123	01 May 2007	7211130	DISPERSE DYE BLACK INK
IJ0145-JP-PCT	Japan	PCT Application	10 Dec 2008	538098/10	05 Sep 2014	5607538	UREA-TERMINATED ETHER TYPE POLYURETHANES AND AQUEOUS DISPERSIONS THEREOF
IJ0150-US-NP	United States Of America	National Patent	15 Apr 2008	12/148053	10 Aug 2010	7771523	INKJET INK
IJ0160-JP-PCT	Japan	PCT Application	18 Apr 2008	504109/10	04 Apr 2014	5513369	INKJET INK
IJ0160-US-NP	United States Of America	National Patent	16 Apr 2008	12/148187	25 Feb 2014	8657944	INKJET INK
IJ0161-US-NP	United States Of America	National Patent	16 Apr 2008	12/148228	21 Sep 2010	7799121	INKJET INK
IJ0162-US-NP	United States Of America	National Patent	29 Jul 2009	12/511574	05 Oct 2010	7806969	BLACK INKJET INK
IJ0170-JP-PCT	Japan	PCT Application	10 Dec 2008	538099/10	05 Sep 2014	5607539	POLYURETHANES WITH NONIONIC HYDROPHILIC TERMINATING GROUPS AND AQUEOUS DISPERSIONS THEREOF
IJ0188-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Dec 2008	08859486.6			UREA-TERMINATED POLYURETHANE DISPERSANTS
IJ0188-JP-PCT	Japan	PCT Application	10 Dec 2008	538101/10	12 Sep 2014	5612478	UREA-TERMINATED POLYURETHANE DISPERSANTS
IJ0188-US-NP	United States Of America	National Patent	04 Dec 2008	12/328158	09 Aug 2016	9410010	UREA-TERMINATED POLYURETHANE DISPERSANTS
IJ0191-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Dec 2008	08858552.6			AQUEOUS INKJET INKS WITH IONICALLY STABILIZED DISPERSIONS AND POLYURETHANE INK ADDITIVES

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IJ0191-JP-PCD	Japan	PCT Application Divisional	29 Sep 2014	2014-198417	28 Oct 2016	6030614	AQUEOUS INKJET INKS WITH IONICALLY STABILIZED DISPERSIONS AND POLYURETHANE INK ADDITIVES
IJ0194-US-PCT	United States Of America	PCT Application	08 May 2009	12/933735	29 May 2012	8186822	INKJET INKS CONTAINING CROSSLINKED POLYURETHANES
IJ0196-DE-EPT	Germany	Euro-PCT Application	15 Sep 2006	06814760.2	21 Nov 2012	60200603325 5.6	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0196-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Sep 2006	06814760.2	21 Nov 2012	1924738	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0196-FR-EPT	France	Euro-PCT Application	15 Sep 2006	06814760.2	21 Nov 2012	1924738	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0196-GB-EPT	United Kingdom	Euro-PCT Application	15 Sep 2006	06814760.2	21 Nov 2012	1924738	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0196-IT-EPT	Italy	Euro-PCT Application	15 Sep 2006	06814760.2	21 Nov 2012	1924738	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0196-JP-PCT	Japan	PCT Application	15 Sep 2006	531368/08	13 Apr 2012	4969578	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0196-US-NP	United States Of America	National Patent	15 Sep 2006	11/521991	22 Jul 2014	8784508	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0200-DE-EPT	Germany	Euro-PCT Application	14 Sep 2007	07838417.9	24 Feb 2016	60200704499 5.2	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0200-EP-EPT	European Procedure (Patents)	Euro-PCT Application	14 Sep 2007	07838417.9	24 Feb 2016	2059634	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0200-FR-EPT	France	Euro-PCT Application	14 Sep 2007	07838417.9	24 Feb 2016	2059634	FABRIC PRETREATMENT FOR INKJET PRINTING

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IJ0200-GB-EPT	United Kingdom	Euro-PCT Application	14 Sep 2007	07838417.9	24 Feb 2016	2059634	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0200-JP-PCT	Japan	PCT Application	14 Sep 2007	528338/09	15 Jul 2016	5970152	FABRIC PRETREATMENT FOR INKJET PRINTING
IJ0203-US-NP	United States Of America	National Patent	19 Feb 2009	12/388640	14 Feb 2012	8114924	PEARLESCENT SLURRY CONCENTRATE FOR ACRYLIC SHEET
IJ0205-JP-PCT	Japan	PCT Application	12 Dec 2008	538172/10	09 Jan 2015	5677849	AMPHOTERIC DISPERSANTS AND THEIR USE IN INKJET INKS
IJ0205-US-NP	United States Of America	National Patent	04 Dec 2008	12/328351	26 Apr 2011	7932306	AMPHOTERIC DISPERSANTS AND THEIR USE IN INKJET INKS
IJ0206-DE-EPT	Germany	Euro-PCT Application	18 Dec 2007	07867829.9	29 May 2013	602007030809.7	INKJET INK, INK SET AND METHOD OF USING SAME
IJ0206-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Dec 2007	07867829.9	29 May 2013	2101902	INKJET INK, INK SET AND METHOD OF USING SAME
IJ0206-JP-PCT	Japan	PCT Application	18 Dec 2007	542891/09	27 Jul 2012	5049354	INKJET INK, INK SET AND METHOD OF USING SAME
IJ0206-US-NP	United States Of America	National Patent	21 Dec 2006	11/643169	04 Sep 2012	8258203	INKJET INK, INK SET AND METHOD OF USING SAME
IJ0216-DE-EPT	Germany	Euro-PCT Application	22 May 2009	09751646.2	01 Aug 2012	602009008717.7	INKJET INK WITH SELF DISPERSED PIGMENTS AND POLYURETHANE INK ADDITIVES
IJ0216-EP-EPT	European Procedure (Patents)	Euro-PCT Application	22 May 2009	09751646.2	01 Aug 2012	2285918	INKJET INK WITH SELF DISPERSED PIGMENTS AND POLYURETHANE INK ADDITIVES
IJ0216-FR-EPT	France	Euro-PCT Application	22 May 2009	09751646.2	01 Aug 2012	2285918	INKJET INK WITH SELF DISPERSED PIGMENTS AND POLYURETHANE INK ADDITIVES
IJ0216-GB-EPT	United Kingdom	Euro-PCT Application	22 May 2009	09751646.2	01 Aug 2012	2285918	INKJET INK WITH SELF DISPERSED PIGMENTS AND POLYURETHANE INK ADDITIVES

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IJ0220-US-PCT	United States Of America	PCT Application	09 Oct 2008	12/811101	22 Oct 2013	8562122	INK JET INKS HAVING IMPROVED CORROSION RESISTANCE FOR USE IN INK JET PRINT HEADS COMPRISING NICKEL OR NICKEL ALLOYS
IJ0221-DE-EPT	Germany	Euro-PCT Application	22 May 2009	09751661.1	18 Jun 2014	60200902476 9.7	UREA-TERMINATED POLYURETHANE DISPERSANTS,
IJ0221-EP-EPT	European Procedure (Patents)	Euro-PCT Application	22 May 2009	09751661.1	18 Jun 2014	2294103	UREA-TERMINATED POLYURETHANE DISPERSANTS
IJ0221-FR-EPT	France	Euro-PCT Application	22 May 2009	09751661.1	18 Jun 2014	2294103	UREA-TERMINATED POLYURETHANE DISPERSANTS
IJ0221-GB-EPT	United Kingdom	Euro-PCT Application	22 May 2009	09751661.1	18 Jun 2014	2294103	UREA-TERMINATED POLYURETHANE DISPERSANTS
IJ0230-US-PCT	United States Of America	PCT Application	20 Nov 2009	13/125599	06 Aug 2013	8500266	AB BLOCK COPOLYMER DISPERSANTS HAVING AN INK VEHICLE SOLUBLE BLOCK
IJ0236-DE-EPT	Germany	Euro-PCT Application	20 May 2009	09751461.6	01 Aug 2012	60200900871 6.9	FIXER INKS FOR USE WITH INK JET INKS
IJ0236-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 May 2009	09751461.6	01 Aug 2012	2285917	FIXER INKS FOR USE WITH INK JET INKS
IJ0236-FR-EPT	France	Euro-PCT Application	20 May 2009	09751461.6	01 Aug 2012	2285917	FIXER INKS FOR USE WITH INK JET INKS
IJ0236-GB-EPT	United Kingdom	Euro-PCT Application	20 May 2009	09751461.6	01 Aug 2012	2285917	FIXER INKS FOR USE WITH INK JET INKS
IJ0236-US-PCT	United States Of America	PCT Application	20 May 2009	12/937575	15 Oct 2013	8556402	FIXER INKS FOR USE WITH INK JET INKS
IJ0238-JP-PCT	Japan	PCT Application	12 Dec 2008	540671/11	11 Jul 2014	5576393	AMPHOTERIC DISPERSANTS AND THEIR USE IN INKJET INKS

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IJ0238-US-PCT	United States Of America	PCT Application	12 Dec 2008	13/133838	02 Sep 2014	8820907	AMPHOTERIC DISPERSANTS AND THEIR USE IN INKJET INKS
IJ0239-US-PCT	United States Of America	PCT Application	11 Dec 2009	13/133853	26 Aug 2014	8815979	AMPHOTERIC DISPERSANTS AND THEIR USE IN INKJET INKS
IJ0240-US-PCT	United States Of America	PCT Application	22 May 2009	12/990959	24 Jun 2014	8759418	UREA-TERMINATED POLYURETHANE DISPERSANTS
IJ0242-DE-EPT	Germany	Euro-PCT Application	08 May 2009	09743739.6	20 Aug 2014	60200902614 2.8	INKJET INKS FOR TEXTILES CONTAINING CROSSLINKED POLYURETHANES AND FURTHER CONTAINING ADDITIONAL REACTIVE COMPONENTS
IJ0242-EP-EPT	European Procedure (Patents)	Euro-PCT Application	08 May 2009	09743739.6	20 Aug 2014	2274385	INKJET INKS FOR TEXTILES CONTAINING CROSSLINKED POLYURETHANES AND FURTHER CONTAINING ADDITIONAL REACTIVE COMPONENTS
IJ0242-FR-EPT	France	Euro-PCT Application	08 May 2009	09743739.6	20 Aug 2014	2274385	INKJET INKS FOR TEXTILES CONTAINING CROSSLINKED POLYURETHANES AND FURTHER CONTAINING ADDITIONAL REACTIVE COMPONENTS
IJ0242-GB-EPT	United Kingdom	Euro-PCT Application	08 May 2009	09743739.6	20 Aug 2014	2274385	INKJET INKS FOR TEXTILES CONTAINING CROSSLINKED POLYURETHANES AND FURTHER CONTAINING ADDITIONAL REACTIVE COMPONENTS
IJ0242-JP-PCT	Japan	PCT Application	08 May 2009	508701/11	14 Nov 2014	5647106	INKJET INKS FOR TEXTILES CONTAINING CROSSLINKED POLYURETHANES AND FURTHER CONTAINING ADDITIONAL REACTIVE COMPONENTS
IJ0243-US-NP	United States Of America	National Patent	10 Jun 2009	12/481815	16 Nov 2010	7833337	AQUEOUS INKJET INK COMPRISING A BLEED CONTROL AGENT

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IJ0246-US-NP	United States Of America	National Patent	02 Sep 2009	12/552783	16 Nov 2010	7833336	PIGMENTED INKJET INK COMPRISING A BLEED CONTROL AGENT
IJ0250-DE-EPT	Germany	Euro-PCT Application	25 Jun 2009	09771033.9	15 Jan 2014	60200902146 4.0	MAGENTA INKJET INK, AND INK SET CONTAINING SAME
IJ0250-EP-EPT	European Procedure (Patents)	Euro-PCT Application	25 Jun 2009	09771033.9	15 Jan 2014	2291467	MAGENTA INKJET INK, AND INK SET CONTAINING SAME
IJ0250-FR-EPT	France	Euro-PCT Application	25 Jun 2009	09771033.9	15 Jan 2014	2291467	MAGENTA INKJET INK, AND INK SET CONTAINING SAME
IJ0250-GB-EPT	United Kingdom	Euro-PCT Application	25 Jun 2009	09771033.9	15 Jan 2014	2291467	MAGENTA INKJET INK, AND INK SET CONTAINING SAME
IJ0250-JP-PCT	Japan	PCT Application	25 Jun 2009	516662/11	26 Jun 2015	5767107	MAGENTA INKJET INK, AND INK SET CONTAINING SAME
IJ0250-US-PCT	United States Of America	PCT Application	25 Jun 2009	12/989093	10 Dec 2013	8603234	MAGENTA INKJET INK, AND INK SET CONTAINING SAME
IJ0251-US-PCT	United States Of America	PCT Application	27 May 2011	13/638982	09 Sep 2014	8827436	FIXER INKS FOR USE WITH INK JET INKS
IJ0260-US-PCT	United States Of America	PCT Application	01 Sep 2011	13/816967	09 Sep 2014	8827417	INKJET INK WITH POLYURETHANE ADDITIVE DERIVED FROM ALKOXY AROMATIC DIOLS INKS
IJ0264-JP-PCT	Japan	PCT Application	19 Nov 2010	541123/12	27 Feb 2015	5702399	CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0266-JP-PCT	Japan	PCT Application	14 Jul 2010	2012-520735	07 Nov 2014	5643306	CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS
IJ0266-US-PCT	United States Of America	PCT Application	14 Jul 2010	13/379121	01 Apr 2014	8686089	CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS

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IJ0267-JP-PCD	Japan	PCT Application Divisional	02 Oct 2015	2015-196928	10 Mar 2017	6105698	CROSSLINKED PIGMENT DISPERSION BASED ON STRUCTURED VINYL POLYMERIC DISPERSANTS
IJ0267-JP-PCT	Japan	PCT Application	23 Nov 2010	540145/12			CROSSLINKED PIGMENT DISPERSION BASED ON STRUCTURED VINYL POLYMERIC DISPERSANTS
IJ0267-US-PCT	United States Of America	PCT Application	23 Nov 2010	13/510010	28 Oct 2014	8871859	CROSSLINKED PIGMENT DISPERSION BASED ON STRUCTURED VINYL POLYMERIC DISPERSANTS
IJ0275-DE-EPT	Germany	Euro-PCT Application	03 Dec 2010	10835170.1	17 Oct 2018	2507329	INKJET INK WITH SELF-DISPERSED PIGMENTS AND HYDROXYL TERMINATED POLYURETHANE INK ADDITIVES
IJ0275-EP-EPT	European Procedure (Patents)	Euro-PCT Application	03 Dec 2010	10835170.1	17 Oct 2018	2507329	INKJET INK WITH SELF-DISPERSED PIGMENTS AND HYDROXYL TERMINATED POLYURETHANE INK ADDITIVES
IJ0275-FR-EPT	France	Euro-PCT Application	03 Dec 2010	10835170.1	17 Oct 2018	2507329	INKJET INK WITH SELF-DISPERSED PIGMENTS AND HYDROXYL TERMINATED POLYURETHANE INK ADDITIVES
IJ0275-GB-EPT	United Kingdom	Euro-PCT Application	03 Dec 2010	10835170.1	17 Oct 2018	2507329	INKJET INK WITH SELF-DISPERSED PIGMENTS AND HYDROXYL TERMINATED POLYURETHANE INK ADDITIVES
IJ0275-US-PCT	United States Of America	PCT Application	03 Dec 2010	13/509141	13 Jan 2015	8931889	INKJET INK WITH SELF-DISPERSED PIGMENTS AND HYDROXYL TERMINATED POLYURETHANE INK ADDITIVES
IJ0276-US-PCT	United States Of America	PCT Application	15 Mar 2012	13/980381	02 Feb 2016	9249325	AQUEOUS INK-JET INKS FOR IMPROVED ADHESION TO PRINT SUBSTRATES

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IJ0277-US-PCT	United States Of America	PCT Application	14 Jul 2010	13/320810	22 Oct 2013	8562124	SELF-DISPERSING PIGMENT DISPERSIONS AND INK JET INKS CONTAINING THEM
IJ0280-US-PCT	United States Of America	PCT Application	19 Nov 2010	13/510015	02 Jun 2015	9045661	METHOD OF PREPARING CROSS-LINKED COLORANT DISPERSIONS
IJ0284-DE-EPT	Germany	Euro-PCT Application	14 Jul 2010	10732617.5	09 Sep 2015	60201002737 9.2	AN AQUEOUS INK JET INK COMPRISING A CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS
IJ0284-EP-EPT	European Procedure (Patents)	Euro-PCT Application	14 Jul 2010	10732617.5	09 Sep 2015	2454333	AN AQUEOUS INK JET INK COMPRISING A CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS
IJ0284-FR-EPT	France	Euro-PCT Application	14 Jul 2010	10732617.5	09 Sep 2015	2454333	AN AQUEOUS INK JET INK COMPRISING A CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS
IJ0284-GB-EPT	United Kingdom	Euro-PCT Application	14 Jul 2010	10732617.5	09 Sep 2015	2454333	AN AQUEOUS INK JET INK COMPRISING A CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS
IJ0284-US-PCT	United States Of America	PCT Application	14 Jul 2010	13/379132	26 Nov 2013	8591020	AN AQUEOUS INK JET INK COMPRISING A CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS
IJ0285-US-PCT	United States Of America	PCT Application	14 Jul 2010	13/379141	26 Nov 2013	8591021	METHOD OF PRINTING USING INK JET INKS COMPRISING A CROSSLINKING PIGMENT DISPERSION BASED ON DIBLOCK POLYMERIC DISPERSANTS
IJ0293-DE-EPT	Germany	Euro-PCT Application	19 Nov 2010	10832232.2	21 Dec 2016	60201003905 7.8	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS

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IJ0293-EP-EPT	European Procedure (Patents)	Euro-PCT Application	19 Nov 2010	10832232.2	21 Dec 2016	2504404	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0293-FR-EPT	France	Euro-PCT Application	19 Nov 2010	10832232.2	21 Dec 2016	2504404	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0293-GB-EPT	United Kingdom	Euro-PCT Application	19 Nov 2010	10832232.2	21 Dec 2016	2504404	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0293-JP-PCT	Japan	PCT Application	19 Nov 2010	541124/12	19 Jun 2015	5763669	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0293-KR-PCT	South Korea / Republic of Korea	PCT Application	19 Nov 2010	10-2012-7016233	01 Dec 2017	10-1806308	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0293-US-PCT	United States Of America	PCT Application	19 Nov 2010	13/505786	02 Feb 2016	9249324	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0294-EP-EPT	European Procedure (Patents)	Euro-PCT Application	31 Aug 2011	11822525.9			INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION AND A POLYMERIC BINDER
IJ0294-JP-PCT	Japan	PCT Application	31 Aug 2011	527245/13	09 Jun 2017	6154325	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION AND A POLYMERIC BINDER
IJ0294-US-PCT	United States Of America	PCT Application	31 Aug 2011	13/816828	17 Feb 2015	8957131	INK-JET INK COMPRISING CROSS-LINKED PIGMENT DISPERSION AND A POLYMERIC BINDER
IJ0295-DE-EPT	Germany	Euro-PCT Application	13 Jul 2011	11807434.3	05 Apr 2017	60201103672.7	CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0295-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Jul 2011	11807434.3	05 Apr 2017	2593517	CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IJ0295-FR-EPT	France	Euro-PCT Application	13 Jul 2011	11807434.3	05 Apr 2017	2593517	CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0295-GB-EPT	United Kingdom	Euro-PCT Application	13 Jul 2011	11807434.3	05 Apr 2017	2593517	CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0295-US-PCT	United States Of America	PCT Application	13 Jul 2011	13/808182	29 Dec 2015	9221984	CROSS-LINKED PIGMENT DISPERSION BASED ON POLYURETHANE DISPERSANTS
IJ0300-US-PCT	United States Of America	PCT Application	15 Dec 2011	13/884618	14 Oct 2014	8859644	METHOD OF PREPARING ENCAPSULATED PIGMENT DISPERSIONS WITH MONOMERS WHICH HAVE A LOWER CRITICAL SOLUTION TEMPERATURE
IJ0315-US-PCT	United States Of America	PCT Application	20 Dec 2011	13/990470	13 Sep 2016	9441124	AQUEOUS INK-JET INKS CONTAINING ALTERNATING POLYURETHANES AS BINDERS
IJ0319-US-NP	United States Of America	National Patent	26 Sep 2012	13/626926	05 May 2015	9023141	METHOD OF PREPARING AQUEOUS PIGMENT DISPERSIONS
IJ0321-US-PCT	United States Of America	PCT Application	19 Jul 2012	14/233502	21 Jun 2016	9371459	INKJET INKS AND INK SETS
IJ0326-US-PCT	United States Of America	PCT Application	15 Dec 2011	14/118558	01 Dec 2015	9200170	INK JET INK COMPRISING ENCAPSULATED PIGMENT DISPERSIONS WITH MINIMAL FREE POLYMER
IJ0327-US-PCT	United States Of America	PCT Application	27 Dec 2012	14/368656	05 Apr 2016	9303170	AQUEOUS PIGMENT DISPERSIONS WITH COMPONENTS TO INTERACT WITH CELLULOSE
IJ0328-US-PCT	United States Of America	PCT Application	30 Jan 2014	14/764452	22 Nov 2016	9499706	PIGMENTED CYAN INKJET INK
IJ0332-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Dec 2012	12860422.0			AQUEOUS INK-JET INKS CONTAINING MIXTURES OF ANIONIC AND NON-IONIC POLYMERIC BINDERS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IJ0332-US-PCT	United States Of America	PCT Application	18 Dec 2012	14/367349	31 Oct 2017	9803094	AQUEOUS INK-JET INKS CONTAINING MIXTURES OF ANIONIC AND NON-IONIC POLYMERIC BINDERS
IJ0338-DE-EPT	Germany	Euro-PCT Application	01 Nov 2012	12845360.2	21 Jun 2017	602012033814.8	AQUEOUS INK-JET INKS CONTAINING BRANCHED POLYURETHANES AS BINDERS
IJ0338-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Nov 2012	12845360.2	21 Jun 2017	2773700	AQUEOUS INK-JET INKS CONTAINING BRANCHED POLYURETHANES AS BINDERS
IJ0338-FR-EPT	France	Euro-PCT Application	01 Nov 2012	12845360.2	21 Jun 2017	2773700	AQUEOUS INK-JET INKS CONTAINING BRANCHED POLYURETHANES AS BINDERS
IJ0338-JP-PCT	Japan	PCT Application	01 Nov 2012	2014-540101	10 Mar 2017	6105612	AQUEOUS INK-JET INKS CONTAINING BRANCHED POLYURETHANES AS BINDERS
IJ0338-US-PCT	United States Of America	PCT Application	01 Nov 2012	14/355608	25 Oct 2016	9475958	AQUEOUS INK-JET INKS CONTAINING BRANCHED POLYURETHANES AS BINDERS
IJ0339-US-PCT	United States Of America	PCT Application	27 Dec 2012	14/368671	19 Apr 2016	9315690	AQUEOUS PIGMENT DISPERSIONS BASED ON POLYURETHANE DISPERSANTS HAVING COMPONENTS TO INTERACT WITH CELLULOSE
IJ0340-US-NP	United States Of America	National Patent	28 Dec 2012	13/729378	23 Jun 2015	9062228	AQUEOUS INKJET INKS CONTAINING POLYURETHANE BINDERS WITH COMPONENTS TO INTERACT WITH CELLULOSE"
IJ0341-US-NP	United States Of America	National Patent	28 Dec 2012	13/729368	28 Jul 2015	9090788	PAPER ANCHORING ACRYLIC/ACRYLATE BINDERS FOR INK JET INKS
IJ0342-US-NP	United States Of America	National Patent	15 Mar 2013	13/833087	21 Jul 2015	9085707	AQUEOUS PIGMENT DISPERSIONS AND INKJET INKS
IJ0345-DE-EPT	Germany	Euro-PCT Application	27 Jun 2013	13737733.9	16 Mar 2016	602013005583.1	METHOD OF PREPARING AQUEOUS PIGMENT DISPERSIONS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IJ0345-EP-EPT	European Procedure (Patents)	Euro-PCT Application	27 Jun 2013	13737733.9	16 Mar 2016	2867308	METHOD OF PREPARING AQUEOUS PIGMENT DISPERSIONS
IJ0345-FR-EPT	France	Euro-PCT Application	27 Jun 2013	13737733.9	16 Mar 2016	2867308	METHOD OF PREPARING AQUEOUS PIGMENT DISPERSIONS
IJ0345-GB-EPT	United Kingdom	Euro-PCT Application	27 Jun 2013	13737733.9	16 Mar 2016	2867308	METHOD OF PREPARING AQUEOUS PIGMENT DISPERSIONS
IJ0345-US-PCT	United States Of America	PCT Application	27 Jun 2013	14/410334	04 Oct 2016	9458321	METHOD OF PREPARING AQUEOUS PIGMENT DISPERSIONS
IJ0349-US-PCT	United States Of America	PCT Application	30 Apr 2013	14/395830	11 Jul 2017	9701854	AQUEOUS INK-JET INKS CONTAINING RANDOM POLYURETHANES AS BINDERS
IJ0353-US-PCT	United States Of America	PCT Application	04 Aug 2014	14/907127	14 Nov 2017	9815994	AQUEOUS PIGMENT DISPERSIONS WITH COMPONENTS TO INTERACT WITH CELLULOSE
IJ0367-EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Oct 2014	14792716.4			AQUEOUS INKJET INKS CONTAINING TWO OR MORE BINDERS
IJ0367-JP-PCT	Japan	PCT Application	23 Oct 2014	552425/16			AQUEOUS INKJET INKS CONTAINING TWO OR MORE BINDERS
IJ0367-KR-PCT	South Korea / Republic of Korea	PCT Application	23 Oct 2014	10-2016-7011440			AQUEOUS INKJET INKS CONTAINING TWO OR MORE BINDERS
IJ0367-US-PCT	United States Of America	PCT Application	23 Oct 2014	15/316639			AQUEOUS INKJET INKS CONTAINING TWO OR MORE BINDERS
IJ0369-JP-PCT	Japan	PCT Application	15 Dec 2014	2016-544153			PIGMENTED INKJET INK COMPRISING DISPERSED POLYURETHANE AND OLEFIN IONIC COPOLYMER
IJ0369-US-PCT	United States Of America	PCT Application	15 Dec 2014	15/108888			PIGMENTED INKJET INK COMPRISING DISPERSED POLYURETHANE AND OLEFIN IONIC COPOLYMER

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IJ0371-US-PCT	United States Of America	PCT Application	29 May 2015	15/314570			AQUEOUS INK-JET INK COMPRISING AN ANTIFOAMING AGENT
IJ0372-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Jul 2015	15747712.6			AQUEOUS INK-JET INKS CONTAINING AMPHOTERIC POLYURETHANE AS BINDER
IJ0372-JP-PCT	Japan	PCT Application	28 Jul 2015	2017-505536			AQUEOUS INK-JET INKS CONTAINING AMPHOTERIC POLYURETHANE AS BINDER
IJ0372-US-PCT	United States Of America	PCT Application	28 Jul 2015	15/327723	02 Oct 2018	10087336	AQUEOUS INK-JET INKS CONTAINING AMPHOTERIC POLYURETHANE AS BINDER
IJ0373-JP-PCT	Japan	PCT Application	08 Dec 2015	2017-533187			CARBON BLACK PIGMENT FOR IMPROVED DURABILITY
IJ0373-US-PCT	United States Of America	PCT Application	08 Dec 2015	15/532345			CARBON BLACK PIGMENT FOR IMPROVED DURABILITY
IJ0375-US-PCT	United States Of America	PCT Application	11 Dec 2015	15/532318			AQUEOUS INKJET INK CONTAINING POLYMERIC BINDERS
IJ0378-EP-EPT	European Procedure (Patents)	Euro-PCT Application	09 Dec 2015	15823226.4			INKJET INK SET FOR PRINTING ON OFFSET MEDIA
IJ0378-JP-PCT	Japan	PCT Application	09 Dec 2015	2017-533177			INKJET INK SET FOR PRINTING ON OFFSET MEDIA
IJ0378-US-PCT	United States Of America	PCT Application	09 Dec 2015	15/532327			INKJET INK SET FOR PRINTING ON OFFSET MEDIA
IJ0381-US-PSP	United States Of America	Provisional Application	18 Dec 2017	62/599994			INK FLUID SET FOR PRINTING ON OFFSET MEDIA
IJ0383-DE-EPT	Germany	Euro-PCT Application	20 Oct 2015	15791414.4	04 Jul 2018	602015013170.3	AQUEOUS INK-JET INK CONTAINING POLYURETHANE BINDER FOR PRINTING ON TEXTILE

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IJ0383-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Oct 2015	15791414.4	04 Jul 2018	3209733	AQUEOUS INK-JET INK CONTAINING POLYURETHANE BINDER FOR PRINTING ON TEXTILE
IJ0383-FR-EPT	France	Euro-PCT Application	20 Oct 2015	15791414.4	04 Jul 2018	3209733	AQUEOUS INK-JET INK CONTAINING POLYURETHANE BINDER FOR PRINTING ON TEXTILE
IJ0383-GB-EPT	United Kingdom	Euro-PCT Application	20 Oct 2015	15791414.4	04 Jul 2018	3209733	AQUEOUS INK-JET INK CONTAINING POLYURETHANE BINDER FOR PRINTING ON TEXTILE
IJ0383-US-PCT	United States Of America	PCT Application	20 Oct 2015	15/520982			AQUEOUS INK-JET INK CONTAINING POLYURETHANE BINDER FOR PRINTING ON TEXTILE
IJ0384-JP-PCT	Japan	PCT Application	27 Apr 2016	2017-556805			CATIONIC MODIFIED SELF-DISPERSING PIGMENT DISPERSIONS
IJ0384-US-PCT	United States Of America	PCT Application	27 Apr 2016	15/570409			CATIONIC MODIFIED SELF-DISPERSING PIGMENT DISPERSIONS
IJ0385-JP-PCT	Japan	PCT Application	27 Apr 2016	2017-556804			CATIONIC MODIFIED SELF-DISPERSING PIGMENT DISPERSIONS AND INJET INKS THEREOF
IJ0385-US-PCT	United States Of America	PCT Application	27 Apr 2016	15/570421			CATIONIC MODIFIED SELF-DISPERSING PIGMENT DISPERSIONS AND INKJET INKS THEREOF
IJ0387-EP-EPT	European Procedure (Patents)	Euro-PCT Application	02 Nov 2016	16795514.5			AQUEOUS INK-JET INK CONTAINING LOW BOILING POINT COMPOSITIONS
IJ0387-JP-PCT	Japan	PCT Application	02 Nov 2016	2018-522747			AQUEOUS INK-JET INK CONTAINING LOW BOILING POINT COMPOSITIONS
IJ0387-US-PCT	United States Of America	PCT Application	02 Nov 2016	15/769187			AQUEOUS INK-JET INK CONTAINING LOW BOILING POINT COMPOSITIONS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IJ0389-EP-EPT	European Procedure (Patents)	Euro-PCT Application	22 Dec 2016	16823520.8			AQUEOUS INKS CONTAINING SOLVENT DYES
IJ0389-JP-PCT	Japan	PCT Application	22 Dec 2016	2018-534547			AQUEOUS INKS CONTAINING SOLVENT DYES
IJ0389-US-PCT	United States Of America	PCT Application	22 Dec 2016	16/066747			AQUEOUS INKS CONTAINING SOLVENT DYES
IJ0397-WO-PCT	International Procedure	PCT Application	23 Jun 2017	PCT/US17/38986			AQUEOUS INKJET INKS CONTAINING A WATER-INSOLUBLE ADDITIVE
IM0282-CA-PCT	Canada	PCT Application	22 Dec 1988	586854			missing patent title
IM1034-US-NP	United States Of America	National Patent	14 May 1999	09/312225	23 Oct 2001	6306994	INKS WITH ENHANCED SUBSTRATE BINDING CHARACTERISTICS
IM1159-JP-NP	Japan	National Patent	07 Apr 1999	100543/99	30 Oct 2009	4397996	HIGH MODULUS POLYIMIDE BLEND
IM1222-DE-EPA	Germany	European Application	07 Jul 2000	00114606.7	22 Aug 2012	60047437.2	METHOD FOR FORMING A CYLINDRICAL PHOTOSENSITIVE ELEMENT
IM1222-EP-EPA	European Procedure (Patents)	European Application	07 Jul 2000	00114606.7	22 Aug 2012	1076263	METHOD FOR FORMING A CYLINDRICAL PHOTOSENSITIVE ELEMENT
IM1222-US-NP	United States Of America	National Patent	12 Aug 1999	09/372475	30 Jul 2002	6425327	METHOD FOR FORMING A CYLINDRICAL PHOTOSENSITIVE ELEMENT
IM1289-DE-EPT	Germany	Euro-PCT Application	06 Sep 2000	00964947.6	22 Feb 2012	60046950.6	METHOD AND APPARATUS FOR THERMAL PROCESSING A PHOTOSENSITIVE ELEMENT
IM1289-EP-EPT	European Procedure (Patents)	Euro-PCT Application	06 Sep 2000	00964947.6	22 Feb 2012	1216436	METHOD AND APPARATUS FOR THERMAL PROCESSING A PHOTOSENSITIVE ELEMENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1289 -FR- EPT	France	Euro-PCT Applicati on	06 Sep 2000	00964947.6	22 Feb 2012	1216436	METHOD AND APPARATUS FOR THERMAL PROCESSING A PHOTOSENSITIVE ELEMENT
IM1289 -GB- EPT	United Kingdom	Euro-PCT Applicati on	06 Sep 2000	00964947.6	22 Feb 2012	1216436	METHOD AND APPARATUS FOR THERMAL PROCESSING A PHOTOSENSITIVE ELEMENT
IM1289 -JP- PCT	Japan	PCT Applicati on	06 Sep 2000	522138/01	04 Jun 2010	4523748	METHOD AND APPARATUS FOR THERMAL PROCESSING A PHOTOSENSITIVE ELEMENT
IM1289 -US- PCT	United States Of America	PCT Applicati on	06 Sep 2000	10/069426	28 Sep 2004	6797454	METHOD AND APPARATUS FOR THERMAL PROCESSING A PHOTOSENSITIVE ELEMENT
IM1300 -CA-NP	Canada	National Patent	01 Mar 2002	2374207	20 Oct 2009	2374207	A PROCESS FOR MAKING A FLEXOGRAPHIC PRINTING PLATE AND A PHOTOSENSITIVE ELEMENT FOR USE IN THE PROCESS
IM1300 -DE- EPA	Germany	European Applicati on	06 Mar 2002	02251567.0	25 Apr 2012	60242730.4	A PROCESS FOR MAKING A FLEXOGRAPHIC PRINTING PLATE AND A PHOTOSENSITIVE ELEMENT FOR USE IN THE PROCESS
IM1300 -EP- EPA	European Procedur e (Patents)	European Applicati on	06 Mar 2002	02251567.0	25 Apr 2012	1239329	A PROCESS FOR MAKING A FLEXOGRAPHIC PRINTING PLATE AND A PHOTOSENSITIVE ELEMENT FOR USE IN THE PROCESS
IM1300 -FR- EPA	France	European Applicati on	06 Mar 2002	02251567.0	25 Apr 2012	1239329	A PROCESS FOR MAKING A FLEXOGRAPHIC PRINTING PLATE AND A PHOTOSENSITIVE ELEMENT FOR USE IN THE PROCESS
IM1300 -GB- EPA	United Kingdom	European Applicati on	06 Mar 2002	02251567.0	25 Apr 2012	1239329	A PROCESS FOR MAKING A FLEXOGRAPHIC PRINTING PLATE AND A PHOTOSENSITIVE ELEMENT FOR USE IN THE PROCESS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1300-JP-NP	Japan	National Patent	06 Mar 2002	061097/02	18 Dec 2009	4425517	A PROCESS FOR MAKING A FLEXOGRAPHIC PRINTING PLATE AND A PHOTSENSITIVE ELEMENT FOR USE IN THE PROCESS
IM1300-US-NP	United States Of America	National Patent	27 Feb 2002	10/085262	10 Aug 2004	6773859	A PROCESS FOR MAKING A FLEXOGRAPHIC PRINTING PLATE AND A PHOTSENSITIVE ELEMENT FOR USE IN THE PROCESS
IM1303-US-CNT	United States Of America	Continuation	31 Jan 2006	11/344019	13 Jul 2010	7754412	A PHOTOPOLYMERIZABLE ELEMENT FOR USE AS A FLEXOGRAPHIC PRINTING PLATE AND A PROCESS FOR PREPARING THE PLATE FROM THE ELEMENT
IM1315-DE-EPA	Germany	European Application	07 Oct 2004	04023885.9	21 Nov 2012	60200404009 7.1	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT
IM1315-EP-EPA	European Procedure (Patents)	European Application	07 Oct 2004	04023885.9	21 Nov 2012	1526410	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT
IM1315-FR-EPA	France	European Application	07 Oct 2004	04023885.9	21 Nov 2012	1526410	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT
IM1315-GB-EPA	United Kingdom	European Application	07 Oct 2004	04023885.9	21 Nov 2012	1526410	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT
IM1315-JP-NP	Japan	National Patent	05 Oct 2004	292981/04	08 Jan 2013	5180424	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT
IM1316-DE-EPA	Germany	European Application	21 Dec 2004	04030297.8	21 Oct 2015	60200404809 0.8	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A REMOVABLE SUPPORT MEMBER

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1316-EP-EPA	European Procedure (Patents)	European Application	21 Dec 2004	04030297.8	21 Oct 2015	1553456	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A REMOVABLE SUPPORT MEMBER
IM1316-FR-EPA	France	European Application	21 Dec 2004	04030297.8	21 Oct 2015	1553456	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A REMOVABLE SUPPORT MEMBER
IM1316-GB-EPA	United Kingdom	European Application	21 Dec 2004	04030297.8	21 Oct 2015	1553456	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A REMOVABLE SUPPORT MEMBER
IM1316-JP-NP	Japan	National Patent	27 Dec 2004	377563/04	06 Aug 2010	4563167	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A REMOVABLE SUPPORT MEMBER
IM1316-US-DIV	United States Of America	National Patent Divisional	20 Mar 2008	12/077584	03 Nov 2009	7611597	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A REMOVABLE SUPPORT MEMBER
IM1316-US-NP	United States Of America	National Patent	10 Dec 2004	11/009679	15 Jul 2008	7398812	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A REMOVABLE SUPPORT MEMBER
IM1318-DE-EPA	Germany	European Application	29 Jul 2005	05016536.4	11 Apr 2012	60200503355.6.0	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH DEVELOPMENT MEDIUM REMOVER
IM1318-EP-EPA	European Procedure (Patents)	European Application	29 Jul 2005	05016536.4	11 Apr 2012	1624343	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH DEVELOPMENT MEDIUM REMOVER

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1318 -FR- EPA	France	European Application	29 Jul 2005	05016536.4	11 Apr 2012	1624343	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH DEVELOPMENT MEDIUM REMOVER
IM1318 -GB- EPA	United Kingdom	European Application	29 Jul 2005	05016536.4	11 Apr 2012	1624343	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH DEVELOPMENT MEDIUM REMOVER
IM1318 -JP-NP	Japan	National Patent	03 Aug 2005	226002/05	06 Jan 2012	4898166	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH DEVELOPMENT MEDIUM REMOVER
IM1318 -US-NP	United States Of America	National Patent	28 Jul 2005	11/191807	17 Mar 2009	7503258	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH DEVELOPMENT MEDIUM REMOVER
IM1319 -CA-NP	Canada	National Patent	09 Mar 2004	2461039	20 Sep 2011	2461039	PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE
IM1319 -JP-NP	Japan	National Patent	11 Mar 2004	069791/04	09 Sep 2011	4817607	PHOTOSENSITIVE ELEMENT FOR USE AS FLEXOGRAPHIC PRINTING PLATE
IM1321 -DE- EPA	Germany	European Application	24 Aug 2006	06017610.4	21 May 2008	60200600128 1.0	METHOD FOR THERMAL DEVELOPMENT OF A PHOTOSENSITIVE ELEMENT USING A DEVELOPMENT MEDIUM HAVING A SUPPORT
IM1321 -EP- EPA	European Procedure (Patents)	European Application	24 Aug 2006	06017610.4	21 May 2008	1764654	METHOD FOR THERMAL DEVELOPMENT OF A PHOTOSENSITIVE ELEMENT USING A DEVELOPMENT MEDIUM HAVING A SUPPORT
IM1321 -FR- EPA	France	European Application	24 Aug 2006	06017610.4	21 May 2008	1764654	METHOD FOR THERMAL DEVELOPMENT OF A PHOTOSENSITIVE ELEMENT USING A DEVELOPMENT MEDIUM HAVING A SUPPORT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1321 -GB- EPA	United Kingdom	European Application	24 Aug 2006	06017610.4	21 May 2008	1764654	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING A DEVELOPMENT MEDIUM HAVING A SUPPORT
IM1321 -JP-NP	Japan	National Patent	15 Sep 2006	251511/06	06 Jan 2012	4897407	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING A DEVELOPMENT MEDIUM HAVING A SUPPORT
IM1321 -US-NP	United States Of America	National Patent	15 Sep 2005	11/227520	15 Apr 2008	7358026	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING A DEVELOPMENT MEDIUM HAVING A SUPPORT
IM1322 -DE- EPA	Germany	European Application	30 Nov 2005	05026111.4	12 Feb 2014	1674936	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A TEXTURED SUPPORT SURFACE
IM1322 -EP- EPA	European Procedure (Patents)	European Application	30 Nov 2005	05026111.4	12 Feb 2014	1674936	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A TEXTURED SUPPORT SURFACE
IM1322 -FR- EPA	France	European Application	30 Nov 2005	05026111.4	12 Feb 2014	1674936	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A TEXTURED SUPPORT SURFACE
IM1322 -GB- EPA	United Kingdom	European Application	30 Nov 2005	05026111.4	12 Feb 2014	1674936	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A TEXTURED SUPPORT SURFACE
IM1322 -JP-NP	Japan	National Patent	02 Dec 2005	349674/05	25 May 2012	5000883	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A TEXTURED SUPPORT SURFACE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1322 -US-DIV	United States Of America	National Patent Divisional	24 May 2010	12/786051	18 Jun 2013	8464637	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT HAVING A TEXTURED SUPPORT SURFACE
IM1323 -DE-EPA	Germany	European Application	02 Aug 2005	05016757.6	23 Dec 2015	602005048100.1	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH SUPPORTING SURFACE FOR A DEVELOPMENT MEDIUM
IM1323 -EP-EPA	European Procedure (Patents)	European Application	02 Aug 2005	05016757.6	23 Dec 2015	1624344	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH SUPPORTING SURFACE FOR A DEVELOPMENT MEDIUM
IM1323 -FR-EPA	France	European Application	02 Aug 2005	05016757.6	23 Dec 2015	1624344	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH SUPPORTING SURFACE FOR A DEVELOPMENT MEDIUM
IM1323 -GB-EPA	United Kingdom	European Application	02 Aug 2005	05016757.6	23 Dec 2015	1624344	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH SUPPORTING SURFACE FOR A DEVELOPMENT MEDIUM
IM1323 -JP-NP	Japan	National Patent	03 Aug 2005	226003/05	15 Feb 2013	5198726	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH SUPPORTING SURFACE FOR A DEVELOPMENT MEDIUM
IM1323 -US-DIV	United States Of America	National Patent Divisional	13 Nov 2009	12/618175	25 Jun 2013	8468941	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH SUPPORTING SURFACE FOR A DEVELOPMENT MEDIUM

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1323 -US-DIV[2]	United States Of America	National Patent Divisional	20 May 2013	13/897505	05 Nov 2013	8573120	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH SUPPORTING SURFACE FOR A DEVELOPMENT MEDIUM
IM1326 -DE-EPA	Germany	European Application	19 Apr 2006	06008132.0	12 Aug 2015	60200604622 7.1	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING AN ORIENTED DEVELOPMENT MEDIUM
IM1326 -EP-EPA	European Procedure (Patents)	European Application	19 Apr 2006	06008132.0	12 Aug 2015	1720076	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING AN ORIENTED DEVELOPMENT MEDIUM
IM1326 -FR-EPA	France	European Application	19 Apr 2006	06008132.0	12 Aug 2015	1720076	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING AN ORIENTED DEVELOPMENT MEDIUM
IM1326 -GB-EPA	United Kingdom	European Application	19 Apr 2006	06008132.0	12 Aug 2015	1720076	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING AN ORIENTED DEVELOPMENT MEDIUM
IM1326 -JP-NP	Japan	National Patent	19 Apr 2006	116074/06	06 Jan 2012	4898273	METHOD FOR THERMAL DEVELOPMENT OF A PHOTSENSITIVE ELEMENT USING AN ORIENTED DEVELOPMENT MEDIUM
IM1329 -DE-EPA	Germany	European Application	16 Apr 2007	07007694.8	30 Dec 2015	60200704434 8.2	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH VAPOR TREATMENT
IM1329 -EP-EPA	European Procedure (Patents)	European Application	16 Apr 2007	07007694.8	30 Dec 2015	1850183	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH VAPOR TREATMENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1329 -FR- EPA	France	European Applicati on	16 Apr 2007	07007694.8	30 Dec 2015	1850183	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH VAPOR TREATMENT
IM1329 -GB- EPA	United Kingdom	European Applicati on	16 Apr 2007	07007694.8	30 Dec 2015	1850183	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH VAPOR TREATMENT
IM1329 -US-NP	United States Of America	National Patent	24 Apr 2006	11/409609	17 Feb 2009	7491003	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH VAPOR TREATMENT
IM1334 -US-NP	United States Of America	National Patent	20 Jul 2000	09/618959	11 Jun 2002	6401613	PRINTING CYLINDER SLEEVE ASSEMBLY
IM1338 -DE- EPA	Germany	European Applicati on	03 Mar 2008	08003875.5	23 Apr 2014	60200803164 1.6	METHOD FOR MOUNTING CYLINDRICALLY-SHAPED PRINTING FORMS
IM1338 -EP- EPA	European Procedur e (Patents)	European Applicati on	03 Mar 2008	08003875.5	23 Apr 2014	1990193	METHOD FOR MOUNTING CYLINDRICALLY-SHAPED PRINTING FORMS
IM1338 -FR- EPA	France	European Applicati on	03 Mar 2008	08003875.5	23 Apr 2014	1990193	METHOD FOR MOUNTING CYLINDRICALLY-SHAPED PRINTING FORMS
IM1338 -GB- EPA	United Kingdom	European Applicati on	03 Mar 2008	08003875.5	23 Apr 2014	1990193	METHOD FOR MOUNTING CYLINDRICALLY-SHAPED PRINTING FORMS
IM1338 -JP-NP	Japan	National Patent	14 Apr 2008	104827/08	31 Oct 2014	5638186	METHOD FOR MOUNTING CYLINDRICALLY-SHAPED PRINTING FORMS
IM1338 -US-NP	United States Of America	National Patent	13 Apr 2007	11/787154	26 Oct 2010	7819060	METHOD FOR MOUNTING CYLINDRICALLY-SHAPED PRINTING FORMS
IM1341 -DE- EPT	Germany	Euro- PCT Applicati on	01 Jul 2010	10731880.0	02 Mar 2016	60201003089 3.6	METHOD FOR PRINTING A MATERIAL ONTO A SUBSTRATE
IM1341 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	01 Jul 2010	10731880.0	02 Mar 2016	2448764	METHOD FOR PRINTING A MATERIAL ONTO A SUBSTRATE

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IM1341-FR-EPT	France	Euro-PCT Application	01 Jul 2010	10731880.0	02 Mar 2016	2448764	METHOD FOR PRINTING A MATERIAL ONTO A SUBSTRATE
IM1341-GB-EPT	United Kingdom	Euro-PCT Application	01 Jul 2010	10731880.0	02 Mar 2016	2448764	METHOD FOR PRINTING A MATERIAL ONTO A SUBSTRATE
IM1341-IT-EPT	Italy	Euro-PCT Application	01 Jul 2010	10731880.0	02 Mar 2016	502016000047900	METHOD FOR PRINTING A MATERIAL ONTO A SUBSTRATE
IM1341-JP-PCT	Japan	PCT Application	01 Jul 2010	517906/12	17 Jul 2015	5778141	METHOD FOR PRINTING A MATERIAL ONTO A SUBSTRATE
IM1341-US-PCT	United States Of America	PCT Application	01 Jul 2010	13/320831	02 Dec 2014	8899148	METHOD FOR PRINTING A MATERIAL ONTO A SUBSTRATE
IM1346-DE-EPA	Germany	European Application	21 Jan 2009	09151051.1	11 Dec 2013	602009020614.1	METHOD FOR PRINTING A PATTERN ON A SUBSTRATE
IM1346-EP-EPA	European Procedure (Patents)	European Application	21 Jan 2009	09151051.1	11 Dec 2013	2083325	METHOD FOR PRINTING A PATTERN ON A SUBSTRATE
IM1346-FR-EPA	France	European Application	21 Jan 2009	09151051.1	11 Dec 2013	2083325	METHOD FOR PRINTING A PATTERN ON A SUBSTRATE
IM1346-GB-EPA	United Kingdom	European Application	21 Jan 2009	09151051.1	11 Dec 2013	2083325	METHOD FOR PRINTING A PATTERN ON A SUBSTRATE
IM1346-JP-NP	Japan	National Patent	23 Jan 2009	013435/09	14 Jun 2013	5292112	METHOD FOR PRINTING A PATTERN ON A SUBSTRATE
IM1346-US-NP	United States Of America	National Patent	07 Jan 2009	12/349608	07 Aug 2012	8236479	METHOD FOR PRINTING A PATTERN ON A SUBSTRATE
IM1349-DE-EPA	Germany	European Application	05 Feb 2009	09152224.3	11 Sep 2013	602009018666.3	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE

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IM1349-DE-ETD	Germany	Euro-PCT Application Divisional	05 Feb 2009	10007625.6	02 Oct 2013	602009019272.8	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1349-EP-EPA	European Procedure (Patents)	European Application	05 Feb 2009	09152224.3	11 Sep 2013	2093059	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1349-EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	05 Feb 2009	10007625.6	02 Oct 2013	2251199	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1349-FR-EPA	France	European Application	05 Feb 2009	09152224.3	11 Sep 2013	2093059	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1349-FR-ETD	France	Euro-PCT Application Divisional	05 Feb 2009	10007625.6	02 Oct 2013	2251199	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1349-GB-EPA	United Kingdom	European Application	05 Feb 2009	09152224.3	11 Sep 2013	2093059	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1349-GB-ETD	United Kingdom	Euro-PCT Application Divisional	05 Feb 2009	10007625.6	02 Oct 2013	2251199	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1349-JP-NP	Japan	National Patent	23 Feb 2009	039743/2009	23 May 2014	5546776	EXTENDED PRINT SLEEVE AND METHOD FOR PREPARING A PRINTING FORM FROM THE SLEEVE
IM1350-JP-NP	Japan	National Patent	17 Feb 2010	032223/10	16 Jan 2015	5680862	METHOD AND APPARATUS FOR PREPARING A PRINTING FORM USING VIBRATIONAL ENERGY

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IM1350 -US-NP	United States Of America	National Patent	17 Feb 2009	12/372173	31 Jan 2012	8105756	METHOD AND APPARATUS FOR PREPARING A PRINTING FORM USING VIBRATIONAL ENERGY
IM1352 -DE-EPA	Germany	European Application	06 Aug 2008	08014041.1	13 Mar 2013	602008022811.8	PROCESS FOR MAKING CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT USED AS A PRINTING FORM
IM1352 -EP-EPA	European Procedure (Patents)	European Application	06 Aug 2008	08014041.1	13 Mar 2013	2026132	PROCESS FOR MAKING CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT USED AS A PRINTING FORM
IM1352 -FR-EPA	France	European Application	06 Aug 2008	08014041.1	13 Mar 2013	2026132	PROCESS FOR MAKING CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT USED AS A PRINTING FORM
IM1352 -GB-EPA	United Kingdom	European Application	06 Aug 2008	08014041.1	13 Mar 2013	2026132	PROCESS FOR MAKING CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT USED AS A PRINTING FORM
IM1352 -JP-NP	Japan	National Patent	14 Aug 2008	208974/08	24 Feb 2012	4934648	PROCESS FOR MAKING CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT USED AS A PRINTING FORM
IM1353 -DE-EPA	Germany	European Application	21 Jul 2009	09166007.6	03 May 2017	602009045804.3	PROCESS FOR MAKING A CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT FOR USE AS A PRINTING FORM
IM1353 -EP-EPA	European Procedure (Patents)	European Application	21 Jul 2009	09166007.6	03 May 2017	2154572	PROCESS FOR MAKING A CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT FOR USE AS A PRINTING FORM
IM1353 -FR-EPA	France	European Application	21 Jul 2009	09166007.6	03 May 2017	2154572	PROCESS FOR MAKING A CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT FOR USE AS A PRINTING FORM
IM1353 -GB-EPA	United Kingdom	European Application	21 Jul 2009	09166007.6	03 May 2017	2154572	PROCESS FOR MAKING A CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT FOR USE AS A PRINTING FORM

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IM1353 -JP-NP	Japan	National Patent	17 Aug 2009	188545/09	31 Oct 2014	5639351	PROCESS FOR MAKING A CYLINDRICALLY-SHAPED PHOTOSENSITIVE ELEMENT FOR USE AS A PRINTING FORM
IM1355 -US-NP	United States Of America	National Patent	06 May 2005	11/124400			METHOD OF MAKING A PHOTOPOLYMER SLEEVE BLANK HAVING AN INTEGRAL UV TRANSPARENT CUSHION LAYER FOR FLEXOGRAPHIC PRINTING
IM1356 -US-CNT	United States Of America	Continuation	16 Jan 2013	13743071	29 Jul 2014	8790862	PHOTOSENSITIVE ELEMENT HAVING REINFORCING PARTICLES AND METHOD FOR PREPARING A PRINTING FORM FROM THE ELEMENT
IM1356 -US-NP	United States Of America	National Patent	04 Sep 2008	12/231587	25 Jun 2013	8470518	PHOTOSENSITIVE ELEMENT HAVING REINFORCING PARTICLES AND METHOD FOR PREPARING A PRINTING FORM FROM THE ELEMENT
IM1359 -DE-EPA	Germany	European Application	26 Jan 2009	09151324.2	25 Feb 2015	60200902949 4.6	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM
IM1359 -EP-EPA	European Procedure (Patents)	European Application	26 Jan 2009	09151324.2	25 Feb 2015	2085820	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM
IM1359 -FR-EPA	France	European Application	26 Jan 2009	09151324.2	25 Feb 2015	2085820	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM
IM1359 -GB-EPA	United Kingdom	European Application	26 Jan 2009	09151324.2	25 Feb 2015	2085820	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM
IM1359 -JP-NP	Japan	National Patent	30 Jan 2009	020131/09	03 Oct 2014	5623018	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM
IM1359 -US-CIP	United States Of America	Continuation-in-Part	10 Mar 2009	12/401106	14 Aug 2012	8241835	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM

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IM1359 -US- CNT	United States Of America	Continuation	20 Jun 2012	13/527936	23 Jun 2015	9063437	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM
IM1359 -US- DIV	United States Of America	National Patent Divisional	11 Jun 2012	13/493004	01 Dec 2015	9201314	APPARATUS AND METHOD FOR PREPARING RELIEF PRINTING FORM
IM1363 -DE- EPA	Germany	European Application	06 Oct 2008	08017461.9	29 Apr 2015	60200803789 2.6	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH A CONFORMABLE SUPPORT
IM1363 -EP- EPA	European Procedure (Patents)	European Application	06 Oct 2008	08017461.8	29 Apr 2015	2112556	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH A CONFORMABLE SUPPORT
IM1363 -FR- EPA	France	European Application	06 Oct 2008	08017461.8	29 Apr 2015	2112556	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH A CONFORMABLE SUPPORT
IM1363 -GB- EPA	United Kingdom	European Application	06 Oct 2008	08017461.8	29 Apr 2015	2112556	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH A CONFORMABLE SUPPORT
IM1363 -JP-NP	Japan	National Patent	28 Oct 2008	276798/08	27 Apr 2012	4982468	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH A CONFORMABLE SUPPORT
IM1363 -US- DIV	United States Of America	National Patent Divisional	03 Jul 2013	13/934409	16 Jun 2015	9057958	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH A CONFORMABLE SUPPORT
IM1363 -US-NP	United States Of America	National Patent	11 Sep 2008	12/283341	23 Jul 2013	8492073	METHOD AND APPARATUS FOR THERMAL DEVELOPMENT WITH A CONFORMABLE SUPPORT
IM1365 -DE- EPT	Germany	Euro-PCT Application	02 Nov 2012	12795149.9	31 Oct 2018	2774004	METHOD AND APPARATUS FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1365-EP-EPT	European Procedure (Patents)	Euro-PCT Application	02 Nov 2012	12795149.9	31 Oct 2018	2774004	METHOD AND APPARATUS FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1365-FR-EPT	France	Euro-PCT Application	02 Nov 2012	12795149.9	31 Oct 2018	2774004	METHOD AND APPARATUS FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1365-GB-EPT	United Kingdom	Euro-PCT Application	02 Nov 2012	12795149.9	31 Oct 2018	2774004	METHOD AND APPARATUS FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1365-JP-PCT	Japan	PCT Application	02 Nov 2012	2014-540160	02 Nov 2017	6235478	METHOD AND APPARATUS FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1365-US-NP	United States Of America	National Patent	01 Nov 2012	13/666096	24 Mar 2015	8985020	METHOD AND APPARATUS FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1366-EP-EPT	European Procedure (Patents)	Euro-PCT Application	02 Nov 2012	12783843.1			A METHOD AND AN APPARATUS HAVING A COMPRESSIBLE COLLAR FOR THERMALLY TREATING A PHOTSENSITIVE PRECURSOR
IM1366-JP-PCT	Japan	PCT Application	02 Nov 2012	2014-540151	02 Sep 2016	5997287	A METHOD AND AN APPARATUS HAVING A COMPRESSIBLE COLLAR FOR THERMALLY TREATING A PHOTSENSITIVE PRECURSOR
IM1366-US-DIV	United States Of America	National Patent Divisional	16 Apr 2015	14/688627	22 Mar 2016	9291906	A METHOD AND AN APPARATUS HAVING A COMPRESSIBLE COLLAR FOR THERMALLY TREATING A PHOTSENSITIVE PRECURSOR

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IM1366 -US-NP	United States Of America	National Patent	31 Oct 2012	13/664986	19 May 2015	9032877	A METHOD AND AN APPARATUS HAVING A COMPRESSIBLE COLLAR FOR THERMALLY TREATING A PHOTSENSITIVE PRECURSOR
IM1371 -DE-EPA	Germany	European Application	19 Oct 2009	09173461.6	22 Nov 2017	60200904946 8.6	METHOD FOR PREPARING A PRINTING FORM FROM A PHOTOPOLYMERIZABLE ELEMENT
IM1371 -EP-EPA	European Procedure (Patents)	European Application	19 Oct 2009	09173461.6	22 Nov 2017	2182411	METHOD FOR PREPARING A PRINTING FORM FROM A PHOTOPOLYMERIZABLE ELEMENT
IM1371 -FR-EPA	France	European Application	19 Oct 2009	09173461.6	22 Nov 2017	2182411	METHOD FOR PREPARING A PRINTING FORM FROM A PHOTOPOLYMERIZABLE ELEMENT
IM1371 -GB-EPA	United Kingdom	European Application	19 Oct 2009	09173461.6	22 Nov 2017	2182411	METHOD FOR PREPARING A PRINTING FORM FROM A PHOTOPOLYMERIZABLE ELEMENT
IM1371 -JP-NP	Japan	National Patent	28 Oct 2009	247693/09	07 Mar 2014	5491125	METHOD FOR PREPARING A PRINTING FORM FROM A PHOTOPOLYMERIZABLE ELEMENT
IM1371 -US-NP	United States Of America	National Patent	09 Oct 2009	12/576370	18 Jun 2013	8465904	METHOD FOR PREPARING A PRINTING FORM FROM A PHOTOPOLYMERIZABLE ELEMENT
IM1372 -DE-EPT	Germany	Euro-PCT Application	02 Nov 2012	12787616.7	13 Jan 2016	60201201396 8.4	METHOD FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1372 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	02 Nov 2012	12787616.7	13 Jan 2016	2774003	METHOD FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1372 -FR-EPT	France	Euro-PCT Application	02 Nov 2012	12787616.7	13 Jan 2016	2774003	METHOD FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1372-GB-EPT	United Kingdom	Euro-PCT Application	02 Nov 2012	12787616.7	13 Jan 2016	2774003	METHOD FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1372-JP-PCT	Japan	PCT Application	02 Nov 2012	2014-540148	02 Sep 2016	5997286	METHOD FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1372-US-NP	United States Of America	National Patent	01 Nov 2012	13/666148	25 Nov 2014	8895228	METHOD FOR THERMAL TREATMENT OF PRINTING SURFACE IN RELIEF PRINTING
IM1376-JP-NP	Japan	National Patent	21 Sep 2011	206161/11	14 Oct 2016	6023411	METHOD AND APPARATUS FOR TENSIONING A PRINTING FORM
IM1376-US-DIV	United States Of America	National Patent Divisional	13 Feb 2013	13765886	28 Jan 2014	8635953	METHOD AND APPARATUS FOR TENSIONING A PRINTING FORM
IM1376-US-NP	United States Of America	National Patent	22 Sep 2010	12/887648	19 Mar 2013	8397636	METHOD AND APPARATUS FOR TENSIONING A PRINTING FORM
IM1377-DE-EPT	Germany	Euro-PCT Application	23 Aug 2012	12756868.1	04 Jul 2018	602012048097.1	METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1377-EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Aug 2012	12756868.1	04 Jul 2018	2748678	METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1377-FR-EPT	France	Euro-PCT Application	23 Aug 2012	12756868.1	04 Jul 2018	2748678	METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1377-GB-EPT	United Kingdom	Euro-PCT Application	23 Aug 2012	12756868.1	04 Jul 2018	2748678	METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1377-JP-PCT	Japan	PCT Application	23 Aug 2012	2014-527299	28 Apr 2017	6133866	METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1377-US-NP	United States Of America	National Patent	23 Aug 2012	13/593092	30 Jun 2015	9069252	METHOD FOR PREPARING A RELIEF PRINTING FORM

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IM1383-DE-EPA	Germany	European Application	25 Aug 2011	11178947.5	15 Apr 2015	602011015612.8	METHOD AND APPARATUS FOR SECURING PRINTING FORMS ON A MOUNTABLE SURFACE
IM1383-EP-EPA	European Procedure (Patents)	European Application	25 Aug 2011	11178947.5	15 Apr 2015	2431808	METHOD AND APPARATUS FOR SECURING PRINTING FORMS ON A MOUNTABLE SURFACE
IM1383-EP-EPD	European Procedure (Patents)	European Divisional	12 Apr 2013	13163598.9			METHOD AND APPARATUS FOR SECURING PRINTING FORMS ON A MOUNTABLE SURFACE
IM1383-FR-EPA	France	European Application	25 Aug 2011	11178947.5	15 Apr 2015	2431808	METHOD AND APPARATUS FOR SECURING PRINTING FORMS ON A MOUNTABLE SURFACE
IM1383-GB-EPA	United Kingdom	European Application	25 Aug 2011	11178947.5	15 Apr 2015	2431808	METHOD AND APPARATUS FOR SECURING PRINTING FORMS ON A MOUNTABLE SURFACE
IM1383-JP-NP	Japan	National Patent	20 Sep 2011	2011-204779	15 May 2015	5744688	METHOD AND APPARATUS FOR SECURING PRINTING FORMS ON A MOUNTABLE SURFACE
IM1383-US-NP	United States Of America	National Patent	17 Sep 2010	12/884678	11 Jun 2013	8459182	METHOD AND APPARATUS FOR SECURING PRINTING FORMS ON A MOUNTABLE SURFACE
IM1384-EP-EPT	European Procedure (Patents)	Euro-PCT Application	22 Mar 2016	16716986.1			POLYMERIC GRAVURE PRINTING FORM AND PROCESS FOR PREPARING THE SAME WITH CURABLE COMPOSITION HAVING A MULTIFUNCTIONAL URETHANE

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IM1384 -JP- PCT	Japan	PCT Application	22 Mar 2016	2017-551681			POLYMERIC GRAVURE PRINTING FORM AND PROCESS FOR PREPARING THE SAME WITH CURABLE COMPOSITION HAVING A MULTIFUNCTIONAL URETHANE
IM1384 -US- DIV	United States Of America	National Patent Divisional	20 Feb 2018	15/899464			POLYMERIC GRAVURE PRINTING FORM AND PROCESS FOR PREPARING THE SAME WITH CURABLE COMPOSITION HAVING A MULTIFUNCTIONAL URETHANE
IM1384 -US-NP	United States Of America	National Patent	23 Mar 2016	15/078228	03 Apr 2018	9931830	POLYMERIC GRAVURE PRINTING FORM AND PROCESS FOR PREPARING THE SAME WITH CURABLE COMPOSITION HAVING A MULTIFUNCTIONAL URETHANE
IM1386 -DE- EPA	Germany	European Application	30 Aug 2011	11179432.7	22 Apr 2015	60201101583 8.4	METHOD FOR REBALANCING A MULTICOMPONENT SOLVENT SOLUTION
IM1386 -EP- EPA	European Procedure (Patents)	European Application	30 Aug 2011	11179432.7	22 Apr 2015	2444846	METHOD FOR REBALANCING A MULTICOMPONENT SOLVENT SOLUTION
IM1386 -FR- EPA	France	European Application	30 Aug 2011	11179432.7	22 Apr 2015	2444846	METHOD FOR REBALANCING A MULTICOMPONENT SOLVENT SOLUTION
IM1386 -GB- EPA	United Kingdom	European Application	30 Aug 2011	11179432.7	22 Apr 2015	2444846	METHOD FOR REBALANCING A MULTICOMPONENT SOLVENT SOLUTION
IM1386 -JP-NP	Japan	National Patent	19 Oct 2011	229863/11	19 Feb 2016	5886589	METHOD FOR REBALANCING A MULTICOMPONENT SOLVENT SOLUTION
IM1386 -US-NP	United States Of America	National Patent	20 Oct 2010	12/908475	08 Jan 2013	8349185	METHOD FOR REBALANCING A MULTICOMPONENT SOLVENT SOLUTION

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IM1387-DE-EPA	Germany	European Application	23 Nov 2011	11190363.9	01 Jan 2014	60201100444 9.4	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-DE-EPD	Germany	European Divisional	06 Feb 2013	13154140.1	23 Jul 2014	60201100865 6.1	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-EP-EPA	European Procedure (Patents)	European Application	23 Nov 2011	11190363.9	01 Jan 2014	2460657	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-EP-EPD	European Procedure (Patents)	European Divisional	06 Feb 2013	13154140.1	23 Jul 2014	2591914	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-FR-EPA	France	European Application	23 Nov 2011	11190363.9	01 Jan 2014	2460657	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-FR-EPD	France	European Divisional	06 Feb 2013	13154140.1	23 Jul 2014	2591914	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-GB-EPA	United Kingdom	European Application	23 Nov 2011	11190363.9	01 Jan 2014	2460657	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-GB-EPD	United Kingdom	European Divisional	06 Feb 2013	13154140.1	23 Jul 2014	2591914	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-JP-NP	Japan	National Patent	22 Nov 2011	255012/11	24 Jun 2016	5955539	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1387-US-NP	United States Of America	National Patent	23 Nov 2011	13/303596	06 May 2014	8714086	METHOD FOR MAKING A CYLINDRICALLY-SHAPED ELEMENT FOR USE IN PRINTING
IM1390-CN-PCT	China	PCT Application	21 Dec 2012	2012800616 09.9	18 May 2016	20128006160 9.9	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN

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IM1390-DE-EPT	Germany	Euro-PCT Application	21 Dec 2012	12813686.8	16 Sep 2015	602012010848.7	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN
IM1390-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Dec 2012	12813686.8	16 Sep 2015	2794273	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN
IM1390-FR-EPT	France	Euro-PCT Application	21 Dec 2012	12813686.8	16 Sep 2015	2794273	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN
IM1390-GB-EPT	United Kingdom	Euro-PCT Application	21 Dec 2012	12813686.8	16 Sep 2015	2794273	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN
IM1390-JP-PCT	Japan	PCT Application	21 Dec 2012	2014-548926	22 Dec 2016	6062959	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN
IM1390-US-DIV	United States Of America	National Patent Divisional	25 Jun 2015	14/750411	29 Mar 2016	9296245	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN
IM1390-US-NP	United States Of America	National Patent	18 Dec 2012	13/718175	04 Aug 2015	9096759	PRINTING FORM AND PROCESS FOR PREPARING THE PRINTING FORM WITH CURABLE COMPOSITION HAVING SOLVENT-FREE EPOXY RESIN

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1395-DE-EPT	Germany	Euro-PCT Application	15 Mar 2013	13714774.0	27 Sep 2017	602013027107.0	PRINTING FORM PRECURSOR HAVING ELASTOMERIC CAP LAYER AND A METHOD OF PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1395-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Mar 2013	13714774.0	27 Sep 2017	2831672	PRINTING FORM PRECURSOR HAVING ELASTOMERIC CAP LAYER AND A METHOD OF PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1395-FR-EPT	France	Euro-PCT Application	15 Mar 2013	13714774.0	27 Sep 2017	2831672	PRINTING FORM PRECURSOR HAVING ELASTOMERIC CAP LAYER AND A METHOD OF PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1395-GB-EPT	United Kingdom	Euro-PCT Application	15 Mar 2013	13714774.0	27 Sep 2017	2831672	PRINTING FORM PRECURSOR HAVING ELASTOMERIC CAP LAYER AND A METHOD OF PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1395-JP-PCT	Japan	PCT Application	15 Mar 2013	2015-503319			PRINTING FORM PRECURSOR HAVING ELASTOMERIC CAP LAYER AND A METHOD OF PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1395-US-DIV	United States Of America	National Patent Divisional	29 Jul 2015	14/812485	25 Jul 2017	9713919	PRINTING FORM PRECURSOR HAVING ELASTOMERIC CAP LAYER AND A METHOD OF PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1395-US-NP	United States Of America	National Patent	07 Mar 2013	13788589	15 Sep 2015	9134612	PRINTING FORM PRECURSOR HAVING ELASTOMERIC CAP LAYER AND A METHOD OF PREPARING A PRINTING FORM FROM THE PRECURSOR

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1396 -CN-NP	China	National Patent	25 Sep 2013	2013104593 32.1	26 Jan 2018	20131045933 2.1	A PRINTING FORM PRECURSOR HAVING INDICIA AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1396 -EP- EPA[2]	European Procedur e (Patents)	European Applicati on	21 Oct 2013	13189581.5			A PRINTING FORM PRECURSOR HAVING INDICIA AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1396 -JP-NP	Japan	National Patent	27 Sep 2013	202103/13			A PRINTING FORM PRECURSOR HAVING INDICIA AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1396 -US-NP	United States Of America	National Patent	03 Sep 2013	14/016323	25 Oct 2016	9477152	A PRINTING FORM PRECURSOR HAVING INDICIA AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1398 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	21 Feb 2013	13707516.4			METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1398 -JP- PCT	Japan	PCT Applicati on	21 Feb 2013	2015- 528452	06 Oct 2017	6219954	METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1398 -US-NP	United States Of America	National Patent	20 Feb 2013	13/771310	04 Aug 2015	9097974	METHOD FOR PREPARING A RELIEF PRINTING FORM
IM1407 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	29 Sep 2015	15778164.2			A MICROFLUIDIC DEVICE AND A METHOD FOR PREPARING THE MICROFLUIDIC DEVICE FROM A PHOTSENSITIVE ELEMENT
IM1408 -US-NP	United States Of America	National Patent	31 Oct 2013	14/068930	24 Nov 2015	9193702	FLUORINATED ARYL EPOXIDE COMPOUNDS
IM1411 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	11 Feb 2015	15707461.8			METHOD FOR PREPARING A PRINTING PLATE PRECURSOR FOR TREATMENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1411 -JP- PCT	Japan	PCT Applicati on	11 Feb 2015	553435/16			METHOD FOR PREPARING A PRINTING PLATE PRECURSOR FOR TREATMENT
IM1411 -US- DIV	United States Of America	National Patent Division al	02 Mar 2017	15/447643			COMPOSITE PRINTING FORM PRECURSOR AND METHOD FOR PREPARING A PRINTING FORM PRECURSOR FOR TREATMENT
IM1411 -US-NP	United States Of America	National Patent	09 Feb 2015	14/616966	11 Apr 2017	9618847	COMPOSITE PRINTING FORM PRECURSOR AND METHOD FOR PREPARING A PRINTING FORM PRECURSOR FOR TREATMENT
IM1414 -CN- PCT	China	PCT Applicati on	27 May 2016	2016800435 41.X			A PRINTING FORM PRECURSOR, A PROCESS FOR MAKING THE PRECURSOR, AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1414 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	27 May 2016	16728514.7			A PRINTING FORM PRECURSOR, A PROCESS FOR MAKING THE PRECURSOR, AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1414 -JP- PCT	Japan	PCT Applicati on	27 May 2016	2017- 563021			A PRINTING FORM PRECURSOR, A PROCESS FOR MAKING THE PRECURSOR, AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1414 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	27 May 2016	10-2017- 7037359			A PRINTING FORM PRECURSOR, A PROCESS FOR MAKING THE PRECURSOR, AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR
IM1414 -US-NP	United States Of America	National Patent	26 May 2016	15/165469			A PRINTING FORM PRECURSOR, A PROCESS FOR MAKING THE PRECURSOR, AND A METHOD FOR PREPARING A PRINTING FORM FROM THE PRECURSOR

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IM1415 -WO- PCT	International Procedure	PCT Application	08 Oct 2018	PCT/US18/5 4836			A PRINTING FORM PRECURSOR AND PRINTING FORM HAVING TWO-DIMENSIONAL CODE FOR TRACKING AND A SYSTEM FOR USING THE SAME
IM1416 -US- PSP	United States Of America	Provisional Application	25 May 2018	62/676473			A FLEXOGRAPHIC PRINTING FORM HAVING MICROCELL PATTERNS ON SURFACE
PE0511 -US-NP	United States Of America	National Patent	21 Dec 2000	09/742860	05 Nov 2002	6476177	MELT-PROCESSIBLE, THERMOPLASTIC RANDOM COPOLYIMIDES HAVING RECOVERABLE CRYSTALLINITY AND ASSOCIATED PROCESSES
PE0535 -US-NP	United States Of America	National Patent	21 Dec 2000	09/741943	22 Oct 2002	6469126	MELT-PROCESSIBLE, THERMOPLASTIC RANDOM COPOLYIMIDES HAVING RECOVERABLE CRYSTALLINITY AND ASSOCIATED PROCESSES
PE0599 -CN- PCT	China	PCT Application	05 Mar 1999	99803848.2	21 Nov 2007	358887	PROCESS FOR THE CONTINUOUSLIQUID PROCESSING OF PHOTOSENSITIVE COMPOSITIONS HAVING REDUCED LEVELS OF RESIDUES
PE0611 -CN- PCT	China	PCT Application	21 Sep 1999	99811306.9	26 Apr 2006	262256	PHOTORESISTS, POLYMERS AND PROCESSES FOR MICROLITHOGRAPHY
PE0611 -DE- EPT	Germany	Euro- PCT Application	21 Sep 1999	99969504.2	03 Aug 2005	69926532.0	PHOTORESISTS, POLYMERS AND PROCESSES FOR MICROLITHOGRAPHY
PE0611 -EP- EPT	European Procedure (Patents)	Euro- PCT Application	21 Sep 1999	99969504.2	03 Aug 2005	1131677	PHOTORESISTS, POLYMERS AND PROCESSES FOR MICROLITHOGRAPHY
PE0611 -JP- PCT	Japan	PCT Application	21 Sep 1999	571312/00	19 Jun 2009	4327360	PHOTORESISTS, POLYMERS AND PROCESSES FOR MICROLITHOGRAPHY
PE0611 -US- CNT	United States Of America	Continuation	14 May 2003	10/437760	02 Oct 2007	7276323	PHOTORESISTS, POLYMERS AND PROCESSES FOR MICROLITHOGRAPHY

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PE0611 -US- PCT	United States Of America	PCT Application	21 Sep 1999	09/806096	15 Jul 2003	6593058	PHOTORESISTS, POLYMERS AND PROCESSES FOR MICROLITHOGRAPHY
PE0631 -US-NP	United States Of America	National Patent	12 Oct 1999	09/415971	31 Jul 2001	6268109	COMPOSITE PHOTSENSITIVE ELEMENT
PE0637 -EP- EPA	European Procedure (Patents)	European Application	29 Oct 2001	01125759.9	18 Jul 2007	1219664	MELT-PROCESSIBLE, THERMOPLASTIC RANDOM COPOLYIMIDES HAVING RECOVERABLE CRYSTALLINITY AND ASSOCIATED PROCESSES
PE0637 -JP-NP	Japan	National Patent	21 Dec 2001	390579/01	15 Jun 2007	3971180	MELT-PROCESSIBLE, THERMOPLASTIC RANDOM COPOLYIMIDES HAVING RECOVERABLE CRYSTALLINITY AND ASSOCIATED PROCESSES
PE0637 -US-NP	United States Of America	National Patent	21 Dec 2000	09/741942	05 Nov 2002	6476182	MELT-PROCESSIBLE, THERMOPLASTIC RANDOM COPOLYIMIDES HAVING RECOVERABLE CRYSTALLINITY AND ASSOCIATED PROCESSES
PE0643 -US- PCT	United States Of America	PCT Application	04 May 2001	10/257900	04 Oct 2005	6951705	NITRILE-VINYL ETHER COPOLYMERS FOR DEEP UV PHOTORESISTS
PE0698 -CN-NP	China	National Patent	26 Aug 2008	2008102137 08.X			WET LAMINATION OF PHOTOPOLYMERIZABLE DRY FILMS ONTO SUBSTRATES AND COMPOSITIONS RELATING THERETO
PE0698 -JP-NP	Japan	National Patent	27 Aug 2008	218536/08	15 Mar 2013	5222664	WET LAMINATION OF PHOTOPOLYMERIZABLE DRY FILMS ONTO SUBSTRATES AND COMPOSITIONS RELATING THERETO
PE0698 -KR-NP	South Korea / Republic of Korea	National Patent	27 Aug 2008	10-2008-83847			WET LAMINATION OF PHOTOPOLYMERIZABLE DRY FILMS ONTO SUBSTRATES AND COMPOSITIONS RELATING THERETO

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PE0698 -TW- NP	Taiwan	National Patent	08 Aug 2008	097130376	01 Jul 2014	I443018	WET LAMINATION OF PHOTOPOLYMERIZABLE DRY FILMS ONTO SUBSTRATES AND COMPOSITIONS RELATING THERETO
PE0698 -US-NP	United States Of America	National Patent	12 Dec 2012	12/179722			WET LAMINATION OF PHOTOPOLYMERIZABLE DRY FILMS ONTO SUBSTRATES AND COMPOSITIONS RELATING THERETO
PE0800 -TW- NP	Taiwan	National Patent	30 Sep 2009	098133271			SPRAYING DEVICE
PE0817 -TW- NP	Taiwan	National Patent	29 Dec 2011	100149484			WAFER LEVEL FABRICATION OF CAVITY FOR SURFACE ACOUSTIC WAVE FILTER
PR0012 -JP-NP	Japan	National Patent	26 Mar 2001	88392/01			INK JET RECEPTOR SHEETS AND TRANSFER ELEMENTS
PR0013 -US-NP	United States Of America	National Patent	15 Oct 1999	09/419680	25 Sep 2001	6294308	THERMAL IMAGING PROCESS AND PRODUCTS USING IMAGE RIGIDIFICATION
PR0045 -KR-NP	South Korea / Republic of Korea	National Patent	24 Dec 2002	2002-83198			METHOD OF FABRICATING COLOR FILTER SUBSTRATE FOR LIQUID CRYSTAL DISPLAY DEVICE
PR0081 -TW- NP	Taiwan	National Patent	29 Jun 2007	096123898			METHODS AND APPARATUS FOR SELECTING AND APPLYING NON-CONTIGUOUS FEATURES IN A PATTERN
PV0007 -US-NP	United States Of America	National Patent	09 Dec 2011	13/315324	09 Jun 2015	9050784	FIRE RESISTANT BACK-SHEET FOR PHOTOVOLTAIC MODULE
PV0026 -US-NP	United States Of America	National Patent	21 Dec 2012	13/723677	05 Apr 2016	9306103	BACK CONTACT PHOTOVOLTAIC MODULE WITH INTEGRATED CIRCUITRY
PV0031 -CN-NP	China	National Patent	10 Jan 2013	2013100087 21.2	13 Jan 2016	20131000872 1.2	INTEGRATED BACK-SHEET ASSEMBLY FOR PHOTOVOLTAIC MODULE

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PV0031 -US-NP	United States Of America	National Patent	09 Jan 2014	14/151120	30 Jan 2018	9882078	INTEGRATED BACK-SHEET ASSEMBLY FOR PHOTOVOLTAIC MODULE
PV0036 -CN-PCT	China	PCT Application	21 Mar 2014	2014800773 71.8	09 Oct 2018	20148007737 1.8	TIE LAYER FOR CIRCUIT ON BACKSHEET
PV0036 -US-PCT	United States Of America	PCT Application	21 Mar 2014	15/127466			TIE LAYER FOR CIRCUIT ON BACKSHEET
PV0039 -WO-PCT	International Procedure	PCT Application	23 Sep 2016	PCT/CN2016/099863			ELECTRICALLY CONDUCTIVE ADHESIVE
PV1004 -CN-PCT	China	PCT Application	20 Oct 2011	2011800531 81.9	16 Sep 2015	20118005318 1.9	VINYL FLUORIDE POLYMERIZATION AND AQUEOUS DISPERSION OF VINYL FLUORIDE POLYMER
PV1004 -DE-EPT	Germany	Euro-PCT Application	20 Oct 2011	11781702.3	08 Oct 2014	60201101049 8.5	VINYL FLUORIDE POLYMERIZATION AND AQUEOUS DISPERSION OF VINYL FLUORIDE POLYMER
PV1004 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Oct 2011	11781702.3	08 Oct 2014	2638084	VINYL FLUORIDE POLYMERIZATION AND AQUEOUS DISPERSION OF VINYL FLUORIDE POLYMER
PV1004 -FR-EPT	France	Euro-PCT Application	20 Oct 2011	11781702.3	08 Oct 2014	2638084	VINYL FLUORIDE POLYMERIZATION AND AQUEOUS DISPERSION OF VINYL FLUORIDE POLYMER
PV1004 -TW-NP	Taiwan	National Patent	28 Oct 2011	100139289			VINYL FLUORIDE POLYMERIZATION AND AQUEOUS DISPERSION OF VINYL FLUORIDE POLYMER
PV1004 -US-NP	United States Of America	National Patent	19 Oct 2011	13/276512	27 May 2014	8735520	VINYL FLUORIDE POLYMERIZATION AND AQUEOUS DISPERSION OF VINYL FLUORIDE POLYMER
PV1012 -CN-NP	China	National Patent	07 Jun 2011	2011101583 80.8	15 Jul 2015	20111015838 0.8	SOLAR CELL BACKSHEET WITH IMPROVED ADHESION TO ENCAPSULANT

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PV1012 -JP- PCT	Japan	PCT Applicati on	29 May 2012	2014- 513890	07 Jul 2017	6170042	SOLAR CELL BACKSHEET WITH IMPROVED ADHESION TO ENCAPSULANT
PV1012 -TW- NP	Taiwan	National Patent	07 Jun 2012	101120365			SOLAR CELL BACKSHEET WITH IMPROVED ADHESION TO ENCAPSULANT
PV1013 -CN-NP	China	National Patent	07 Jun 2011	2011101583 92.0	15 Jul 2015	20111015839 2.0	SOLAR CELL BACKSHEET WITH IMPROVED ADHESION TO ENCAPSULANT
PV1015 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	27 Jun 2014	10-2015- 7036711			MELT-PROCESSIBLE VINYL FLUORIDE INTERPOLYMERS OF LOW CRYSTALLINITY
PV1032 -CN- PCT	China	PCT Applicati on	07 Apr 2015	2015800188 08.5			TRANSPARENT FLUOROPOLYMER COATED FILMS AND LIQUID FLUOROPOLYMER COATING COMPOSITIONS
PV1032 -JP- PCT	Japan	PCT Applicati on	07 Apr 2015	2016- 563022			TRANSPARENT FLUOROPOLYMER COATED FILMS AND LIQUID FLUOROPOLYMER COATING COMPOSITIONS
PV1033 -US-NP	United States Of America	National Patent	24 Mar 2015	14/666917	02 May 2017	9637657	LIQUID FLUOROPOLYMER COATING COMPOSITION AND FLUOROPOLYMER COATED FILM
PV1040 -DE- PCT	Germany	PCT Applicati on	06 May 2015	1120150023 00.3			SOLUBLE VINYL FLUORIDE INTERPOLYMERS AND POLYMER BINDER SOLUTIONS
PV1040 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	06 May 2015	10-2016- 7031431			SOLUBLE VINYL FLUORIDE INTERPOLYMERS AND POLYMER BINDER SOLUTIONS
PV1044 -DE- PCT	Germany	PCT Applicati on	06 May 2015	1120150022 99.6			ELECTRODE COMPOSITIONS AND ENERGY STORAGE DEVICES
PV1044 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	06 May 2015	10-2016- 7031432			ELECTRODE COMPOSITIONS AND ENERGY STORAGE DEVICES

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PV1064 -CN-NP	China	National Patent	15 Aug 2017	2017106964 26.9			MULTILAYER FILM AND PHOTOVOLTAIC MODULE
PV1064 -JP-NP	Japan	National Patent	16 Aug 2017	2017-157131			MULTILAYER FILM AND PHOTOVOLTAIC MODULE
PV1068 -CN-NP	China	National Patent	26 Apr 2016	2016102662 53.2			WALLPAPER
PV1068 -US-PCT	United States Of America	PCT Application	26 Apr 2017	16/090848			WALLPAPER
PV1068 -WO-PCT	International Procedure	PCT Application	26 Apr 2017	PCT/CN2017/081960			WALLPAPER
PV1070 -US-PSP	United States Of America	Provisional Application	24 May 2018	62/675924			TRANSPARENT FLUOROPOLYMER FILMS
SR0023 -JP-NP	Japan	National Patent	07 May 2004	139039/04	16 Sep 2011	4825405	PHOTORESIST COMPOSITIONS AND PROCESSES FOR PREPARING THE SAME
SR0023 -KR-NP	South Korea / Republic of Korea	National Patent	08 May 2004	10-2004-32487	01 Aug 2011	1055032	PHOTORESIST COMPOSITIONS AND PROCESSES FOR PREPARING THE SAME
SR0023 -US-CIP	United States Of America	Continuation-in-Part	29 Mar 2006	11/392857	16 Nov 2010	7834113	PHOTORESIST COMPOSITIONS AND PROCESSES FOR PREPARING THE SAME
SR0026 -DE-EPT	Germany	Euro-PCT Application	22 Sep 2004	04784900.5	06 Apr 2011	60200403215 1.6	LOW-POLYDISPERSITY PHOTOIMAGEABLE ACRYLIC POLYMERS, PHOTORESISTS AND PROCESSES FOR MICROLITHOGRAPHY
SR0026 -DE-ETD	Germany	Euro-PCT Application Divisional	21 Sep 2010	10010041.1	06 Jun 2012	60200403813 7.3	LOW-POLYDISPERSITY PHOTOIMAGEABLE ACRYLIC POLYMERS, PHOTORESISTS AND PROCESSES FOR MICROLITHOGRAPHY

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SR0026 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	22 Sep 2004	04784900.5	06 Apr 2011	1664927	LOW-POLYDISPERSITY PHOTOIMAGEABLE ACRYLIC POLYMERS, PHOTORESISTS AND PROCESSES FOR MICROLITHOGRAPHY
SR0026 -EP- ETD	European Procedur e (Patents)	Euro- PCT Applicati on Divisional	21 Sep 2010	10010041.1	06 Jun 2012	2287671	LOW-POLYDISPERSITY PHOTOIMAGEABLE ACRYLIC POLYMERS, PHOTORESISTS AND PROCESSES FOR MICROLITHOGRAPHY
SR0026 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	22 Sep 2004	10-2006- 7005581	22 Feb 2013	1238580	LOW-POLYDISPERSITY PHOTOIMAGEABLE ACRYLIC POLYMERS, PHOTORESISTS AND PROCESSES FOR MICROLITHOGRAPHY
SR0026 -US-NP	United States Of America	National Patent	16 Sep 2004	10/943063	13 Apr 2010	7696292	LOW-POLYDISPERSITY PHOTOIMAGEABLE ACRYLIC POLYMERS, PHOTORESISTS AND PROCESSES FOR MICROLITHOGRAPHY
SR0028 -DE- EPT	Germany	Euro- PCT Applicati on	11 May 2005	05750365.8	14 Apr 2010	60200502060 3.5	SYNTHESIS OF TRITHIOCARBONATE RAFT AGENTS
SR0028 -EP- EPT	European Procedur e (Patents)	Euro- PCT Applicati on	11 May 2005	05750365.8	14 Apr 2010	1745017	SYNTHESIS OF TRITHIOCARBONATE RAFT AGENTS
SR0028 -JP- PCT	Japan	PCT Applicati on	11 May 2005	513342/07	28 Apr 2011	4733696	SYNTHESIS OF TRITHIOCARBONATE RAFT AGENTS
SR0028 -KR- PCT	South Korea / Republic of Korea	PCT Applicati on	11 May 2005	10-2006- 7023543	31 Oct 2012	1198524	SYNTHESIS OF TRITHIOCARBONATE RAFT AGENTS
SR0028 -US- PCT	United States Of America	PCT Applicati on	11 May 2005	11/578268	15 Dec 2009	7632966	SYNTHESIS OF TRITHIOCARBONATE RAFT AGENTS
SR0031 -US- PCT	United States Of America	PCT Applicati on	17 May 2005	11/578278	24 Mar 2009	7507522	PHOTORESISTS COMPRISING POLYMERS DERIVED FROM FLUOROALCOHOL- SUBSTITUTED POLYCYCLIC MONOMERS

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SR0032 -JP-NP	Japan	National Patent	21 Nov 2006	314227/06	14 Sep 2012	5086616	SYNTHESIS OF TRITHIOCARBONATES
UA002 2-US-NP	United States Of America	National Patent	02 Feb 1999	09/241657	09 Oct 2001	6300612	IMAGE SENSORS MADE FROM ORGANIC SEMICONDUCTORS.
UA002 4-US-NP	United States Of America	National Patent	02 Feb 1999	09/241660	16 Oct 2001	6303943	POLYMER DIODES WITH SWITCHABLE PHOTSENSITIVITY FOR USE IN ONE AND TWO DIMENSIONAL COLUMN-ROW ADDRESSABLE PASSIVE IMAGE SENSORS.
UC1605 -TW-NP	Taiwan	National Patent	08 May 2018	107115623			LOW-COLOR POLYMERS FOR FLEXIBLE SUBSTRATES IN ELECTRONIC DEVICES
UC1605 -WO-PCT	International Procedure	PCT Application	07 May 2018	PCT/US18/31305			LOW-COLOR POLYMERS FOR FLEXIBLE SUBSTRATES IN ELECTRONIC DEVICES
UC1702 -US-PSP	United States Of America	Provisional Application	07 Aug 2018	62/715422			POLYMERS FOR USE IN ELECTRONIC DEVICES
UC1704 -TW-NP	Taiwan	National Patent	14 Sep 2018	107132399			LOW-COLOR POLYMERS FOR USE IN ELECTRONIC DEVICES
UC1704 -WO-PCT	International Procedure	PCT Application	11 Sep 2018	PCT/US18/50388			LOW-COLOR POLYMERS FOR USE IN ELECTRONIC DEVICES
UC1705 -TW-NP	Taiwan	National Patent	07 Aug 2018	107127332			LOW-COLOR POLYMERS FOR FLEXIBLE SUBSTRATES IN ELECTRONIC DEVICES
UC1705 -WO-PCT	International Procedure	PCT Application	08 Aug 2018	PCT/US18/45722			LOW-COLOR POLYMERS FOR FLEXIBLE SUBSTRATES IN ELECTRONIC DEVICES
XA180 1-US-PSP	United States Of America	Provisional Application	06 Apr 2018	62/653591			LOW-COLOR POLYMERS FOR USE IN ELECTRONIC DEVICES
XA180 1-US-PSP[2]	United States Of America	Provisional Application	18 Apr 2018	62/659322			LOW-COLOR POLYMERS FOR USE IN ELECTRONIC DEVICES

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XA180 2-US- PSP	United States Of America	Provisional Application	16 May 2018	62/672272			POLYMERS FOR USE IN ELECTRONIC DEVICES
XA180 5-US- PSP	United States Of America	Provisional Application	08 Aug 2018	62/715889			POLYMERS FOR USE IN ELECTRONIC DEVICES
XA180 8-US- PSP	United States Of America	Provisional Application	08 Aug 2018	62/715904			POLYMERS FOR USE IN ELECTRONIC DEVICES
EL1259 -US- CIP	United States Of America	Continuation-in-Part	03 Dec 2018	16/207801			POLYIMIDE-BASED POLYMER THICK FILM RESISTOR COMPOSITION
EL1262 -US- CNT	United States Of America	Continuation	16 Oct 2018	16/161751			CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREWITH
EL1265 -US- CIP	United States Of America	Continuation-in-Part	10 Jan 2019	16/244601			ELECTRICAL CONNECTIONS FOR WEARABLES AND OTHER ARTICLES
EL1274 -US-NP	United States Of America	National Patent	29 Oct 2018	16/173393			CONDUCTIVE PASTE FOR BONDING AND MANUFACTURING METHOD OF ELECTRIC DEVICE USING THEREOF
EL1274 -WO- PCT	International Procedure	PCT Application	31 Oct 2018	PCT/US18/58408			CONDUCTIVE PASTE FOR BONDING AND MANUFACTURING METHOD OF ELECTRIC DEVICE USING THEREOF
EL1280 -US- PSP	United States Of America	Provisional Application	07 Nov 2018	62/756849			CONDUCTIVE PASTE AND ELECTRICAL COMPONENT
EL1282 -US- PSP	United States Of America	Provisional Application	07 Nov 2018	62/756856			CONDUCTIVE PASTE AND ELECTRICAL COMPONENT
EL1283 -US- PSP	United States Of America	Provisional Application	28 Jan 2019	62/797611			SOLAR CELL
EL1284 -US- PSP	United States Of America	Provisional Application	28 Jan 2019	62/797636			SOLAR CELL

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EL1307-CN-NP	China	National Patent	15 Jan 2019	201910035537.4			HAND AND FOOT HEATERS
EL1307-DE-NP	Germany	National Patent	15 Jan 2019	102019100917.0			HAND AND FOOT HEATERS
EL1308-US-NP	United States Of America	National Patent	22 Oct 2018	16/166726			STRETCHABLE PRINTED HEATERS FOR WEARABLES AND OTHER ARTICLES
EL1315-US-PSP	United States Of America	Provisional Application	23 Jan 2019	62/795879			PHOTOTHERAPY GARMENT FOR TREATING NEONATAL JAUNDICE AND OTHER MEDICAL CONDITIONS
EL1316-US-PSP	United States Of America	Provisional Application	05 Nov 2018	62/755808			THERMALLY CONDUCTIVE MATERIAL COMPRISING IONIC LIQUID AND ELECTRICAL DEVICES MADE THEREWITH
HP0325-US-PSP	United States Of America	Provisional Application	13 Nov 2018	62/760523			Multilayer Polyimide Film
HP0326-US-PSP	United States Of America	Provisional Application	13 Nov 2018	62/760506			Multilayer Polyamide Imide-Polyimide Film
HP0327-US-PSP	United States Of America	Provisional Application	13 Nov 2018	62/760499			Multilayer Polyimide Film
HP0328-US-PSP	United States Of America	Provisional Application	13 Nov 2018	62/760488			Multilayer Polyimide Film
HP0330-US-PSP	United States Of America	Provisional Application	13 Nov 2018	62/760478			Multilayer Polyimide Film
IJ0381-WO-PCT	International Procedure	PCT Application	17 Dec 2018	PCT/US18/66016			INK FLUID SET FOR PRINTING ON OFFSET MEDIA
IJ0404-US-PSP	United States Of America	Provisional Application	19 Dec 2018	62/781917			A TEXTILE PRINTING FLUID SET CONTAINING A PRETREATMENT AND A MIXTURE OF PIGMENT AND DISPERSE DYE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
IM1417 -US- PSP	United States Of America	Provisional Application	11 Dec 2018	62/778007			FLEXOGRAPHIC PRINTING FORM PRECURSOR AND A METHOD FOR MAKING THE PRECURSOR
EL1276 -WO- PCT	International Procedure	PCT Application	04 Mar 2019	PCT/US19/20488			METHOD OF MANUFACTURING AN ELECTRONIC DEVICE AND CONDUCTIVE PASTE FOR THE SAME
EL1306 -CN-NP	China	National Patent	08 Mar 2019	201910176676.9			IMPROVED PRINTABLE HEATERS FOR WEARABLES AND OTHER ARTICLES
EL1306 -DE-NP	Germany	National Patent	06 Mar 2019	102019105641.1			IMPROVED PRINTABLE HEATERS FOR WEARABLES AND OTHER ARTICLES
HP0316 -TW- NP	Taiwan	National Patent	26 Feb 2019	108106536			LOW HAZE POLYIMIDE FILM
HP0316 -US-NP	United States Of America	National Patent	15 Feb 2019	16/277081			LOW HAZE POLYIMIDE FILM
HP0316 -WO- PCT	International Procedure	PCT Application	05 Mar 2019	PCT/US19/20700			LOW HAZE POLYIMIDE FILM
HP0331 -US- PSP	United States Of America	Provisional Application	22 Feb 2019	62/809090			POLYIMIDE FILMS AND ELECTRONIC DEVICES
EL1276 -US-NP	United States of America	National Patent	27 Feb 2019	16/288,040			METHOD OF MANUFACTURING AN ELECTRONIC DEVICE AND CONDUCTIVE PASTE FOR THE SAME
EL1401 -US- PSP	United States of America	Provisional Application	22 Mar 2019	62/822,404			PUNCTURE-RESISTANT SHEET HEATER AND STRUCTURES MADE THEREWITH
EL1402 -US- PSP	United States of America	Provisional Application	22 Mar 2019	62/822,414			SELF-LIMITING SHEET HEATER AND STRUCTURES MADE THEREWITH
CS0059 -CN- UM	China	Utility	13 Mar 2019	201920319129.7			FLEXIBLE COMPOSITE FILM AND METHOD OF MANUFACTURING THE SAME

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CS0059 -CN-NP	China	National Patent	13 Mar 2019	2019101888 09.4			FLEXIBLE COMPOSITE FILM AND METHOD OF MANUFACTURING THE SAME