

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6421647

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
E I DU PONT DE NEMOURS AND COMPANY	05/01/2019
RECEIVING PARTY DATA	
Name:	DUPONT INDUSTRIAL BIOSCIENCES USA, LLC
Street Address:	CHESTNUT RUN PLAZA, 974 CENTRE ROAD
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19805
PROPERTY NUMBERS Total: 9	
Property Type	Number
Application Number:	16461165
Application Number:	16416318
Application Number:	16381010
Application Number:	16317950
Application Number:	16341147
Application Number:	16461293
Application Number:	16461508
Application Number:	16461455
Application Number:	16474812
CORRESPONDENCE DATA	
Fax Number:	(703)739-2815
<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>	
Email:	iprecordals@cpaglobal.com
Correspondent Name:	CPA GLOBAL LIMITED
Address Line 1:	LIBERATION HOUSE
Address Line 2:	CASTLE STREET
Address Line 4:	ST HELIER, JERSEY JE1 1BL
NAME OF SUBMITTER:	HELEN BIRRELL
SIGNATURE:	/IPR/DUPONT N&B-123 EI DUPONTDEM/AGa/9P/

11/29/2020

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PATENT ASSIGNMENT

This PATENT ASSIGNMENT (this "Assignment"), dated as of May 1, 2019 (the "Effective Date"), is by and between E. I. du Pont de Nemours and Company, a Delaware corporation ("Assignor") and DuPont Industrial Biosciences USA, LLC, a Delaware corporation ("Assignee"), (each a "Party" and collectively, the "Parties").

limited liability company

MTF
7/29/19
JMS
7/30/19

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

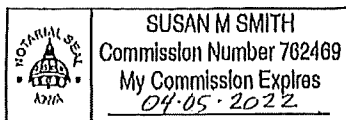
This instrument was executed before me on this 17 day of JUNE, 2019, by MARIAN T. FLATTERY, the ASSOCIATE GENERAL COUNSEL (title) of E. I. du Pont de Nemours and Company, a Delaware corporation, on behalf of said company.

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 Industrial Biosciences USA, LLC

Acknowledged and Accepted:

ASSIGNEE:

DuPont Industrial Biosciences USA, LLC

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 18th day of June, 2019 by Jessica M. Sinnott the Chief IP Counsel & Associate General Counsel (title) of DuPont Industrial Biosciences USA, LLC, a Delaware corporation, on behalf of said company.
limited liability company



MTE
7/29/19

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

SCHEDULE A TO PATENT ASSIGNMENT

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6499 -AU- PCT	Australia	PCT Application	15 Dec 2016	2016370673			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499 -CA- PCT	Canada	PCT Application	15 Dec 2016	3006986			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499 -CN- PCT	China	PCT Application	15 Dec 2016	201680081896.8			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	15 Dec 2016	16822341.0			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499 -JP-PCT	Japan	PCT Application	15 Dec 2016	2018-531063			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499 -KR- PCT	South Korea / Republic of Korea	PCT Application	15 Dec 2016	10-2018-7019507			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499 -MX- PCT	Mexico	PCT Application	15 Dec 2016	MX/a/2018/007279			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499 -US- PCT	United States Of America	PCT Application	15 Dec 2016	16/062204			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6072 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	19 Feb 2015	15708978.0			PLASTICIZERS POLYAMIDE COMPOSITIONS
CL6072 -KR- PCT	South Korea / Republic of Korea	PCT Application	19 Feb 2015	10-2016-7022818			PLASTICIZERS POLYAMIDE COMPOSITIONS
CL6072 -US- PCT	United States Of America	PCT Application	05 Sep 2018	15/116758			PLASTICIZERS POLYAMIDE COMPOSITIONS
IN0015- IN-NP	India	National Patent	19 Oct 2004	1096/CHE/04			GAS BARRIER PET COMPOSITION FOR MONOLAYER BOTTLE AND PROCESS THEREOF

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
IN0015-IN-NP[2]	India	National Patent	17 Oct 2005	1297/MUM/05	28 May 2009	234433	GAS BARRIER PET COMPOSITION FOR MONOLAYER BOTTLE AND PROCESS THEREOF
IN0017-IN-NP	India	National Patent	28 Apr 2006	676/MUM/06	13 Mar 2009	231891	AN ENGINEERING PLASTIC COMPOSITION AND METHOD FOR PREPARING SUCH COMPOSITIONS
IN0023-IN-NP	India	National Patent	22 Nov 2007	2304/MUM/07	15 Jan 2013	255012	A HOMOGENEOUS POLYMERIC COMPOSITION
IN0026-IN-NP	India	National Patent	28 Nov 2006	1953/MUM/06	26 Aug 2014	262495	POLYESTER STAPLE FIBER (PSF) FILAMENT YARN (POY AND PYF) FOR TEXTILE APPLICATIONS
IN0027-IN-NP	India	National Patent	22 Dec 2006	2120/MUM/06	31 Jul 2013	256834	METHODS OF MANUFACTURING POLYTRIMETHYLENE NAPHTHALATES (PTNS)
IN0029-IN-NP	India	National Patent	20 Sep 2007	1837/MUM/07	31 Jan 2014	258677	POLYMERIC COMPOSITION SUITABLE FOR MANUFACTURING HEAT SEALABLE FILMS OR SHEETS
IN0029-US-NP	United States Of America	National Patent	19 Sep 2008	12/284321	26 Oct 2010	7820756	POLYMERIC COMPOSITION SUITABLE FOR MANUFACTURING HEAT SEALABLE FILMS OR SHEETS
SO0045-DE-EPT	Germany	Euro-PCT Application	11 May 2007	07809071.9	07 Dec 2016	602007049064.2	PERSONAL CARE COMPOSITIONS
SO0045-EP-EPT	European Procedure (Patents)	Euro-PCT Application	11 May 2007	07809071.9	07 Dec 2016	2026758	PERSONAL CARE COMPOSITIONS
SO0045-GB-EPT	United Kingdom	Euro-PCT Application	11 May 2007	07809071.9	07 Dec 2016	2026758	PERSONAL CARE COMPOSITIONS
SO0045-JP-PCT	Japan	PCT Application	11 May 2007	510995/09	02 May 2013	5258756	PERSONAL CARE COMPOSITIONS
SO0045-KR-PCT	South Korea / Republic of Korea	PCT Application	11 May 2007	10-2008-7030581	15 Jul 2014	1421749	PERSONAL CARE COMPOSITIONS
SO0045-US-DIV	United States Of America	National Patent Divisional	09 Mar 2009	12/400309	04 Oct 2011	8029812	PERSONAL CARE COMPOSITIONS
SO0045-US-NP	United States Of America	National Patent	11 May 2007	11/801872	08 Dec 2009	7628999	PERSONAL CARE COMPOSITIONS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0021 -CN- PCT	China	PCT Application	05 May 2004	200480019439.3	12 Jan 2011	200480019439.3	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021 -DE- EPT	Germany	Euro-PCT Application	05 May 2004	04751435.1	14 Sep 2011	602004034341.2	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	05 May 2004	04751435.1	14 Sep 2011	1620489	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021 -JP-PCT	Japan	PCT Application	05 May 2004	532800/06	06 Jan 2012	4898444	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021 -KR- PCT	South Korea / Republic of Korea	PCT Application	05 May 2004	10-2005-7020966	04 Jan 2012	1105044	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021 -TW-NP	Taiwan	National Patent	06 May 2004	093112823	01 Mar 2012	I359160	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021 -US-CIP	United States Of America	Continuation -in-Part	12 Aug 2004	10/918079	29 Jan 2008	7323539	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021 -US- DIV	United States Of America	National Patent Divisional	04 Dec 2007	11/950181	12 Jan 2010	7645853	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0017 -CN- PCT	China	PCT Application	05 May 2004	200480019324.4	01 Apr 2009	200480019324.4	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -DE- EPT	Germany	Euro-PCT Application	05 May 2004	04751436.9	28 Dec 2011	602004035884.3	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0017 -DE-ETD	Germany	Euro-PCT Application Divisional	08 Apr 2011	11161761.9	27 Mar 2013	2390278	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	05 May 2004	04751436.9	28 Dec 2011	1620380	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	08 Apr 2011	11161761.9	27 Mar 2013	2390278	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -JP-PCT	Japan	PCT Application	05 May 2004	532801/06	23 Aug 2013	5345758	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -KR-PCT	South Korea / Republic of Korea	PCT Application	05 May 2004	10-2005-7020962	04 Jan 2012	1105072	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -TW-NP	Taiwan	National Patent	06 May 2004	093112806	21 May 2012	1364319	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -US-CIP	United States Of America	Continuation -in-Part	03 Aug 2007	11/833453	29 Jun 2010	7745668	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -US-DIV	United States Of America	National Patent Divisional	10 Nov 2005	11/271299	13 Nov 2007	7294746	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017 -US-NP	United States Of America	National Patent	05 Aug 2003	10/634687	07 Mar 2006	7009082	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0008 -CN-PCT	China	PCT Application	04 Aug 2003	03819216.0	11 Nov 2009	03819216.0	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008 -DE-EPT	Germany	Euro-PCT Application	04 Aug 2003	03784903.1	07 Jan 2009	60325745.3	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008 -DE-ETD	Germany	Euro-PCT Application Divisional	10 Jul 2008	08012475.3	29 Jun 2011	60337598.7	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	04 Aug 2003	03784903.1	07 Jan 2009	1546234	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0008-EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	10 Jul 2008	08012475.3	29 Jun 2011	2014696	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-GB-EPT	United Kingdom	Euro-PCT Application	04 Aug 2003	03784903.1	07 Jan 2009	1546234	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-JP-PCT	Japan	PCT Application	04 Aug 2003	527738/04	05 Nov 2010	4619785	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-KR-PCT	South Korea / Republic of Korea	PCT Application	04 Aug 2003	10-2005-7002221	01 Jun 2010	0962982	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
CL5339-CN-PCT	China	PCT Application	23 Apr 2012	201280018894.6	11 May 2016	201280018894.6	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-DE-EPT	Germany	Euro-PCT Application	23 Apr 2012	12776683.0	05 Apr 2017	602012030813.3	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Apr 2012	12776683.0	05 Apr 2017	2702089	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-JP-PCT	Japan	PCT Application	23 Apr 2012	508465/14	20 May 2016	5936244	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-KR-PCT	South Korea / Republic of Korea	PCT Application	23 Apr 2012	10-2013-7030902			PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-US-NP	United States Of America	National Patent	23 Apr 2014	13/453536	11 Nov 2014	8884073	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL4879-US-NP	United States Of America	National Patent	14 Mar 2011	13/047103	28 Apr 2015	9018263	ANTIMICROBIAL COMPOSITIONS COMPRISING TRIMETHYLENE GLYCOL OLIGOMER AND METHODS OF USING THE COMPOSITIONS
CL4620-US-DIV	United States Of America	National Patent Divisional	31 Aug 2012	13/600884	31 Dec 2013	8618184	POLYURETHANE FOAMS CONTAINING BRANCHED POLY(TRIMETHYLENE ETHER) POLYOLS
CL4620-US-NP	United States Of America	National Patent	29 Aug 2011	13/220030	03 Feb 2015	8946485	BRANCHED POLY(TRIMETHYLENE ETHER) POLYOLS
CL4557-CN-PCT	China	PCT Application	17 Dec 2010	201080058454.4	10 Sep 2014	201080058454.4	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4557 -DE- EPT	Germany	Euro-PCT Application	17 Dec 2010	10842645.3	17 Sep 2014	602010019077.3	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557 -BP- EPT	European Procedure (Patents)	Euro-PCT Application	17 Dec 2010	10842645.3	17 Sep 2014	2516505	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557 -GB- EPT	United Kingdom	Euro-PCT Application	17 Dec 2010	10842645.3	17 Sep 2014	2516505	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557 -JP-PCT	Japan	PCT Application	17 Dec 2010	546078/12	20 Mar 2015	5714027	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557 -KR- PCT	South Korea / Republic of Korea	PCT Application	17 Dec 2010	10-2012-7019201	24 Oct 2017	10-1791711	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557 -US-NP	United States Of America	National Patent	17 Dec 2010	12/971311	01 Jan 2013	8344098	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4502 -KR- PCT	South Korea / Republic of Korea	PCT Application	03 Nov 2010	10-2012-7014223	18 Aug 2017	10-1771269	METHODS AND COMPOSITIONS FOR EXTRACTING FLAVOR AND FRAGRANCE COMPOUNDS AND SOLUBILIZING ESSENTIAL OILS
CL4502 -US- DIV	United States Of America	National Patent Divisional	13 Jun 2013	13/917025	09 Jun 2015	9051534	COMPOSITIONS FOR EXTRACTING FLAVOR AND FRAGRANCE COMPOUNDS AND SOLUBILIZING ESSENTIAL OILS
CL4502 -US-NP	United States Of America	National Patent	03 Nov 2010	12/938452	16 Jul 2013	8486458	METHODS AND COMPOSITIONS FOR EXTRACTING FLAVOR AND FRAGRANCE COMPOUNDS AND SOLUBILIZING ESSENTIAL OILS
CL4282 -CN- PCT	China	PCT Application	05 May 2009	200980116291.8	11 Dec 2013	200980116291.8	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282 -DE- EPT	Germany	Euro-PCT Application	05 May 2009	09743429.4	16 Jul 2014	602009025336.0	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4282-EP-EPT	European Procedure (Patents)	Euro-PCT Application	05 May 2009	09743429.4	16 Jul 2014	2274374	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-GB-EPT	United Kingdom	Euro-PCT Application	05 May 2009	09743429.4	16 Jul 2014	2274374	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-JP-PCT	Japan	PCT Application	05 May 2009	508590/11	14 Jun 2013	5292463	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-KR-PCT	South Korea / Republic of Korea	PCT Application	05 May 2009	10-2010-7027384	29 Dec 2016	10-1693051	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-TW-NP	Taiwan	National Patent	07 May 2009	098115178	21 Sep 2014	I453252	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-US-NP	United States Of America	National Patent	05 May 2009	12/435609	10 Sep 2013	8530558	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL3987-DE-EPT	Germany	Euro-PCT Application	09 Oct 2007	07839413.7	29 Apr 2015	602007041272.2	DEODORANT COMPOSITIONS
CL3987-EP-EPT	European Procedure (Patents)	Euro-PCT Application	09 Oct 2007	07839413.7	29 Apr 2015	2207521	DEODORANT COMPOSITIONS
CL3987-GB-EPT	United Kingdom	Euro-PCT Application	09 Oct 2007	07839413.7	29 Apr 2015	2207521	DEODORANT COMPOSITIONS
CL3987-KR-PCT	South Korea / Republic of Korea	PCT Application	09 Oct 2007	10-2010-7010060	19 Nov 2014	1465290	DEODORANT COMPOSITIONS
CL3987-US-NP	United States Of America	National Patent	09 Oct 2007	11/869056	14 Feb 2012	8114423	DEODORANT COMPOSITIONS
CL3745-CN-PCT	China	PCT Application	31 Oct 2008	200880114455.9	28 Nov 2012	200880114455.9	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF
CL3745-DE-EPT	Germany	Euro-PCT Application	31 Oct 2008	08843854.4	04 Jun 2014	602008032623.3	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF
CL3745-EP-EPT	European Procedure (Patents)	Euro-PCT Application	31 Oct 2008	08843854.4	04 Jun 2014	2205659	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL3745 -US-NP	United States Of America	National Patent	31 Oct 2008	12/262609	27 Mar 2012	8143371	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF
CL3523 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	02 Nov 2007	07861685.1			POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3523 -JP-PCT	Japan	PCT Application	02 Nov 2007	535342/09	16 Nov 2012	5131936	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3523 -KR-PCT	South Korea / Republic of Korea	PCT Application	02 Nov 2007	10-2009-7009773	13 Apr 2015	1513312	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3523 -US-DIV	United States Of America	National Patent Divisional	23 Jun 2010	12/821537	24 Jun 2014	8759565	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3269 -DE-EPT	Germany	Euro-PCT Application	19 Jan 2007	07718321.8	27 Apr 2011	602007014179.6	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3269 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	19 Jan 2007	07718321.8	27 Apr 2011	1973962	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3269 -GB-EPT	United Kingdom	Euro-PCT Application	19 Jan 2007	07718321.8	27 Apr 2011	1973962	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3269 -JP-PCT	Japan	PCT Application	19 Jan 2007	551399/08	20 Apr 2012	4976422	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3269 -KR-PCT	South Korea / Republic of Korea	PCT Application	19 Jan 2007	10-2008-7020232	04 Mar 2014	1372767	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3269 -TW-NP	Taiwan	National Patent	19 Jan 2007	096102111	21 Dec 2013	I419910	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3269 -US-CIP	United States Of America	Continuation -in-Part	15 Nov 2006	11/599861	17 Jun 2008	7388115	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3269 -US-NP	United States Of America	National Patent	20 Jan 2006	11/336004	16 Jan 2007	7164046	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL1483 -CN-PCT	China	PCT Application	15 Dec 2000	00817315.X	25 Jan 2006	00817315.X	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL
CL1483 -DE-EPT	Germany	Euro-PCT Application	15 Dec 2000	00986476.0	20 Sep 2006	60030880.4	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL1483 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	15 Dec 2000	00986476.0	20 Sep 2006	1237835	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL
CL1483 -GB- EPT	United Kingdom	Euro-PCT Application	15 Dec 2000	00986476.0	20 Sep 2006	1237835	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL
CL1483 -JP-PCT	Japan	PCT Application	15 Dec 2000	545240/01	03 Dec 2010	4638646	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL
CL1483 -KR- PCT	South Korea / Republic of Korea	PCT Application	15 Dec 2000	10-2002-7007493	26 Jan 2007	677808	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL
CL1483 -US- CNT	United States Of America	Continuation	20 Jan 2004	10/760339	11 Jul 2006	7074968	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL
CL1483 -US-NP	United States Of America	National Patent	15 Dec 2000	09/738689	13 Apr 2004	6720459	CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL
CL1482 -CN- PCT	China	PCT Application	15 Dec 2000	00817318.4	09 Mar 2005	00817318.4	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL1482 -DE- EPT	Germany	Euro-PCT Application	15 Dec 2000	00989286.0	17 May 2006	60028086.1	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL1482 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	15 Dec 2000	00989286.0	17 May 2006	1246861	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL1482 -GB- EPT	United Kingdom	Euro-PCT Application	15 Dec 2000	00989286.0	17 May 2006	1246861	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL1482 -JP-PCT	Japan	PCT Application	15 Dec 2000	544831/01	22 Jul 2011	4786847	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL1482 -KR- PCT	South Korea / Republic of Korea	PCT Application	15 Dec 2000	10-2002-7007494	26 Jan 2007	677809	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL1482 -US-NP	United States Of America	National Patent	15 Dec 2000	09/738688	20 Dec 2005	6977291	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CH2858 -DE-EPT	Germany	Euro-PCT Application	24 Oct 2002	02776283.0	14 Mar 2012	60242409.7	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	24 Oct 2002	02776283.0	14 Mar 2012	1440191	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858 -GB-EPT	United Kingdom	Euro-PCT Application	24 Oct 2002	02776283.0	14 Mar 2012	1440191	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858 -JP-PCT	Japan	PCT Application	24 Oct 2002	540425/03	14 Mar 2008	4094549	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858 -KR-PCT	South Korea / Republic of Korea	PCT Application	24 Oct 2002	10-2003-7008723	23 Jun 2010	0967275	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858 -US-NP	United States Of America	National Patent	31 Oct 2001	10/016023	29 Jul 2003	6599625	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2833 -CN-PCT	China	PCT Application	24 Oct 2002	02829455.6	05 Aug 2009	02829455.6	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833 -DE-EPT	Germany	Euro-PCT Application	24 Oct 2002	02807679.2	08 Feb 2012	60242201.9	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH2833 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	24 Oct 2002	02807679.2	08 Feb 2012	1546229	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833 -GB- EPT	United Kingdom	Euro-PCT Application	24 Oct 2002	02807679.2	08 Feb 2012	1546229	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833 -JP-PCT	Japan	PCT Application	24 Oct 2002	527523/04	04 Apr 2008	4105691	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833 -KR- PCT	South Korea / Republic of Korea	PCT Application	24 Oct 2002	10-2005-7002220	01 Sep 2009	0916490	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833 -US-NP	United States Of America	National Patent	09 Aug 2002	10/215575	08 Feb 2005	6852823	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2767 -DE- EPT	Germany	Euro-PCT Application	24 Oct 2002	02802462.8	29 Mar 2006	60210340.1	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ESTER HARD SEGMENT
CH2767 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	24 Oct 2002	02802462.8	29 Mar 2006	1448657	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ESTER HARD SEGMENT
CH2767 -GB- EPT	United Kingdom	Euro-PCT Application	24 Oct 2002	02802462.8	29 Mar 2006	1448657	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ESTER HARD SEGMENT
CH2767 -JP-PCT	Japan	PCT Application	24 Oct 2002	540249/03	06 Feb 2009	4255834	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ESTER HARD SEGMENT

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH2767 -KR- PCT	South Korea / Republic of Korea	PCT Application	24 Oct 2002	10-2003-7008725	14 Dec 2009	0933411	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ESTER HARD SEGMENT
CH2767 -US-NP	United States Of America	National Patent	31 Oct 2001	10/016195	13 May 2003	6562457	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ESTER HARD SEGMENT
CL6260 -CN- PCT	China	PCT Application	31 Jul 2015	201580040623.4			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	31 Jul 2015	15760318.4			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260 -JP-PCT	Japan	PCT Application	31 Jul 2015	2017-505100			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260 -KR- PCT	South Korea / Republic of Korea	PCT Application	31 Jul 2015	10-2017-7002545			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260 -US- PCT	United States Of America	PCT Application	31 Jul 2015	15/327740			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6460 -AU- PCT	Australia	PCT Application	01 Jun 2016	2016276042			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -BR- PCT	Brazil	PCT Application	01 Jun 2016	1120170264978			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -CA- PCT	Canada	PCT Application	01 Jun 2016	2988739			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6460 -CN- PCT	China	PCT Application	01 Jun 2016	201680047086.0			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -EG- PCT	Egypt	PCT Application	01 Jun 2016	2056/2017			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -EP- EPT	European Procedure (Patents)	Buro-PCT Application	01 Jun 2016	16730943.4			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -ID-PCT	Indonesia	PCT Application	01 Jun 2016	P00201708862			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -IL-PCT	Israel	PCT Application	01 Jun 2016	256165			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -IN-PCT	India	PCT Application	01 Jun 2016	201717044378			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -JP-PCT	Japan	PCT Application	01 Jun 2016	2017-563928			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -KR- PCT	South Korea / Republic of Korea	PCT Application	01 Jun 2016	10-2018-7000116			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6460 -MX- PCT	Mexico	PCT Application	01 Jun 2016	MX/a/2017/016086			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -MY- PCT	Malaysia	PCT Application	01 Jun 2016	PI2017704721			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -NZ- PCT	New Zealand	PCT Application	01 Jun 2016	738128			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -PH- PCT	Philippines	PCT Application	01 Jun 2016	1-2017-502276			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -RU- PCT	Russian Federation	PCT Application	01 Jun 2016	2017142981			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -SG- PCD	Singapore	PCT Application Divisional	27 Aug 2018	10201807264T			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -SG- PCT	Singapore	PCT Application	01 Jun 2016	11201710247U	11 Sep 2018	11201710247U	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460 -TH- PCT	Thailand	PCT Application	01 Jun 2016	1701007360			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6460 -US- PCT	United States Of America	PCT Application	01 Jun 2016	15/578275			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6214 -AU- PCT	Australia	PCT Application	01 May 2015	2015252948			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -BR- PCT	Brazil	PCT Application	01 May 2015	1120160254090			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -CA- PCT	Canada	PCT Application	01 May 2015	2947716			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -CN- PCT	China	PCT Application	01 May 2015	201580035913.X			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	01 May 2015	15727102.4			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -ID-PCT	Indonesia	PCT Application	01 May 2015	P00201607403			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -IN-PCT	India	PCT Application	01 May 2015	201617037136			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -JP-PCT	Japan	PCT Application	01 May 2015	2016-565468			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -MX- PCT	Mexico	PCT Application	01 May 2015	MX/a/2016/014278			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -MY- PCT	Malaysia	PCT Application	01 May 2015	PI2016703947			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -PH- PCT	Philippines	PCT Application	01 May 2015	1-2016-502163			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214 -TH- PCT	Thailand	PCT Application	01 May 2015	1601006584			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6214 -US- PCT	United States Of America	PCT Application	01 May 2015	15/307995	11-Dec-18	10150862	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6601 -WO- PCT	International Procedure	PCT Application	23 Feb 2018	PCT/US18/19340			PROCESS FOR PREPARING POLY(ALKYLENE FURANDICARBOXYLATE)
CL6600 -WO- PCT	International Procedure	PCT Application	23 Feb 2018	PCT/US18/19363			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURANDICARBOXYLATE) USING ZINC CATALYST
CL6573 -WO- PCT	International Procedure	PCT Application	10 Oct 2017	PCT/US17/55880			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573 -CN- PCT	China	PCT Application	10 Oct 2017	PCT/US17/55880			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573 -JP-PCT	Japan	PCT Application	10 Oct 2017	PCT/US17/55880			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	10 Oct 2017	17787836.0			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573 -US- PCT	United States Of America	PCT Application	10 Oct 2017	16/340170			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6569 -AU- PCT	Australia	PCT Application	25 Apr 2017	2017257676			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6569 -CA- PCT	Canada	PCT Application	25 Apr 2017	PCT/US17/29371			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6569 -CN- PCT	China	PCT Application	25 Apr 2017	PCT/US17/29371			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6569 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	25 Apr 2017	17722279.1			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6569 -JP-PCT	Japan	PCT Application	25 Apr 2017	PCT/US17/29371			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6569 -KR- PCT	South Korea / Republic of Korea	PCT Application	25 Apr 2017	PCT/US17/29371			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6569 -MX- PCT	Mexico	PCT Application	25 Apr 2017	MX/a/2018/012996			PROCESS FOR PRODUCING POLYESTER ARTICLE

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6569 -US- PCT	United States Of America	PCT Application	25 Apr 2017	16/095538			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6569 -WO- PCT	International Procedure	PCT Application	25 Apr 2017	PCT/US17/29371			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6463 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	21 Jul 2016	16745028.7			GAS SEPARATION MEMBRANE USING FURAN-BASED POLYMERS
CL6463 -US- PCT	United States Of America	PCT Application	21 Jul 2016	15/742935			GAS SEPARATION MEMBRANE USING FURAN-BASED POLYMERS
CL6498 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	21 Jul 2016	16745355.4			REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6498 -US- PCN	United States Of America	PCT Continuation	02 Oct 2018	16/149790			REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6494 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	21 Jul 2016	16745029.5			MULTI-STAGE ESTERIFICATION PROCESS
CL6494 -US- PCT	United States Of America	PCT Application	21 Jul 2016	15/580395			MULTI-STAGE ESTERIFICATION PROCESS
CL6491 -US- PCT	United States Of America	PCT Application	21 Jul 2016	15/742956			PROCESS FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID DIALKYL ESTER
CL6488 -US- PCT	United States Of America	PCT Application	21 Jul 2016	15/742946			LOW PRESSURE, HIGH TEMPERATURE PROCESS FOR FORMING 2,5-FURANDICARBOXYLIC ACID DIALKYL ESTER
CL6472 -BR- PCD	Brazil	PCT Application Divisional	10 Sep 2018	1220180682736			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472 -BR- PCT	Brazil	PCT Application	21 Jul 2016	1120170282313			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472 -CN- PCD	China	PCT Application Divisional	28 Aug 2018	201810991510.8			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472 -CN- PCT	China	PCT Application	21 Jul 2016	201680043442.1			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6472-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Jul 2016	16748202.5			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	23 Aug 2018	18190578.7			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-ID-PCD	Indonesia	PCT Application Divisional	04 Oct 2018	P00201807911			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-ID-PCT	Indonesia	PCT Application	21 Jul 2016	P00201800567			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-IN-PCD	India	PCT Application Divisional	06 Sep 2018	201818033485			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-IN-PCT	India	PCT Application	21 Jul 2016	201717044629			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-TH-PCT	Thailand	PCT Application	21 Jul 2016	1801000456			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-US-CNT	United States Of America	Continuation	21 Dec 2018	16/229341			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-US-PCD	United States Of America	PCT Application Divisional	15 Oct 2018	16/159891			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-US-PCT	United States Of America	PCT Application	21 Jul 2016	15/743015			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-ZA-PCD	South Africa	PCT Application Divisional	05 Oct 2018	2018/06624			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-ZA-PCT	South Africa	PCT Application	21 Jul 2016	2017/08390			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6331-BR-PCT	Brazil	PCT Application	13 Apr 2016	1120170222248			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6331 -CN- PCT	China	PCT Application	13 Apr 2016	2016800222080			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM
CL6331 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	13 Apr 2016	16780582.9			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM
CL6331 -ID-PCT	Indonesia	PCT Application	13 Apr 2016	PID201707724			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM
CL6331 -IN-PCT	India	PCT Application	13 Apr 2016	201717039264			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM
CL6331 -TH- PCT	Thailand	PCT Application	13 Apr 2016	1701006123			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM
CL6331 -US- PCT	United States Of America	PCT Application	13 Apr 2016	15/564590			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM
CL6331 -ZA- PCT	South Africa	PCT Application	13 Apr 2016	2017/07639			PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID, AND DERIVATIVES THEREOF AND POLYMERS MADE THEREFROM
CL5637 -AU- PCD	Australia	PCT Application Divisional	27 Nov 2018	2018271279			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637 -AU- PCT	Australia	PCT Application	18 Dec 2014	2014364554			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5637 -CA- PCT	Canada	PCT Application	18 Dec 2014	2932931			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5- FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637 -CN- PCT	China	PCT Application	18 Dec 2014	201480069895.2			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5- FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	18 Dec 2014	14828610.7			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5- FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637 -JP-PCT	Japan	PCT Application	18 Dec 2014	2016-541166			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5- FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637 -KR- PCT	South Korea / Republic of Korea	PCT Application	18 Dec 2014	10-2016-7019222			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5- FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637 -MX- PCT	Mexico	PCT Application	18 Dec 2014	MX/a/2016/008050			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5- FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637 -US- PCT	United States Of America	PCT Application	18 Dec 2014	15/104376	02 Oct 2018	10087305	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5- FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5652 -AU- PCT	Australia	PCT Application	30 Mar 2013	2013237797	07 Dec 2017	2013237797	POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -BR- PCT	Brazil	PCT Application	30 Mar 2013	1120140242224			POLYESTERS AND FIBERS MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5652 -CA- PCT	Canada	PCT Application	30 Mar 2013	2867524			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -CN- PCT	China	PCT Application	30 Mar 2013	201380017948.1			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	30 Mar 2013	13717633.5			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -ID-PCT	Indonesia	PCT Application	30 Mar 2013	P00201405899			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -IN-PCT	India	PCT Application	30 Mar 2013	7006/DELNP/2014			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -JP-PCD	Japan	PCT Application Divisional	30 May 2018	2018-102939			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -JP-PCT	Japan	PCT Application	30 Mar 2013	2015-503668			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -KR- PCT	South Korea / Republic of Korea	PCT Application	30 Mar 2013	10-2014-7030117			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -MY- PCT	Malaysia	PCT Application	30 Mar 2013	PI2014002403			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -NZ- PCT	New Zealand	PCT Application	30 Mar 2013	628958	27 May 2016	628958	POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -SG- PCT	Singapore	PCT Application	30 Mar 2013	11201405174Y			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -TH- PCT	Thailand	PCT Application	30 Mar 2013	1401005595			POLYESTERS AND FIBERS MADE THEREFROM
CL5652 -US- PCN	United States Of America	PCT Application Continuation	25 Apr 2019	16394545			POLYESTERS AND FIBERS MADE THEREFROM
CL5625 -AU- PCD[2]	Australia	PCT Application Divisional	02 Dec 2016	2016266091			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -AU- PCD[3]	Australia	PCT Application Divisional	22 Jun 2018	2018204524			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -BR- PCT[2]	Brazil	PCT Application	30 Mar 2013	1120140242127			POLYESTERS AND ARTICLES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5625 -CA- PCT[2]	Canada	PCT Application	30 Mar 2013	2869121			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -CN- PCD[2]	China	PCT Application Divisional	09 Oct 2017	201710933585.6			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -CN- PCT[2]	China	PCT Application	30 Mar 2013	201380018102.X	07 Nov 2017	201380018102.X	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -DE- EPT[2]	Germany	Euro-PCT Application	30 Mar 2013	13716920.7	07 Mar 2018	602013033998.8	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -EG- PCT[2]	Egypt	PCT Application	30 Mar 2013	PCT/1562/2014			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -EP- EPT[2]	European Procedure (Patents)	Euro-PCT Application	30 Mar 2013	13716920.7	07 Mar 2018	2831137	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -EP- ETD[2]	European Procedure (Patents)	Euro-PCT Application Divisional	22 Jan 2018	18152798.7			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -FR- EPT[2]	France	Euro-PCT Application	30 Mar 2013	13716920.7	07 Mar 2018	2831137	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -GB- EPT[2]	United Kingdom	Euro-PCT Application	30 Mar 2013	13716920.7	07 Mar 2018	2831137	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -HK- FPD	Hong Kong	Foreign Patent Registration Divisional	31 Jul 2018	18109845.8			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -HK- FPR	Hong Kong	Foreign Patent Registration	16 Jan 2015	15100509.7	21 Sep 2018	1200182	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -ID- PCT[2]	Indonesia	PCT Application	30 Mar 2013	P00201405897			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -IL- PCT[2]	Israel	PCT Application	30 Mar 2013	234158	01 Nov 2017	234158	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -IN- PCT[2]	India	PCT Application	30 Mar 2013	7005/DELNP/2014			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -JP- PCT[2]	Japan	PCT Application	30 Mar 2013	2015-503667	05 Jan 2018	6268161	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -KR- PCT[2]	South Korea / Republic of Korea	PCT Application	30 Mar 2013	10-2014-7030118			POLYESTERS AND ARTICLES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5625 -MX- PCT[2]	Mexico	PCT Application	30 Mar 2013	MX/a/2014/011546			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -MY- PCT[2]	Malaysia	PCT Application	30 Mar 2013	PI2014002404			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -NZ- PCT[2]	New Zealand	PCT Application	30 Mar 2013	628957	01 Jul 2016	628957	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -RU- PCT[2]	Russian Federation	PCT Application	30 Mar 2013	2014143803	03 May 2018	2652802	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -TH- PCT[2]	Thailand	PCT Application	30 Mar 2013	1401005596			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625 -US- CNT[3]	United States Of America	PCT Application - Continuation	26 Apr 2019	16395599			POLYESTERS AND ARTICLES MADE THEREFROM
CL1501 -US- DIV	United States Of America	National Patent Divisional	06 May 2011	13/102436	06 Mar 2012	8129550	PROCESSES FOR PREPARING DIACIDS, DIALDEHYDES AND POLYMERS
CL1501 -US- DIV[2]	United States Of America	National Patent Divisional	25 Jan 2012	13/357985	03 Sep 2013	8524923	PROCESSES FOR PREPARING DIACIDS, DIALDEHYDES AND POLYMERS
CL1501 -US- DIV[3]	United States Of America	National Patent Divisional	25 Jul 2013	13/950401	22 Jul 2014	8785667	PROCESSES FOR PREPARING DIACIDS, DIALDEHYDES AND POLYMERS
CL1501 -US- PCT	United States Of America	PCT Application	27 Mar 2001	10/204127	07 Jun 2011	7956203	PROCESSES FOR PREPARING DIACIDS, DIALDEHYDES AND POLYMERS
AD6885 -US-NP	United States Of America	National Patent	18 Oct 2002	10/273835	16 Mar 2004	6706396	PROCESSES FOR PRODUCING VERY LOW IV POLYESTER RESIN
AD6990 -AU- PCT	Australia	PCT Application	28 Jan 2005	2005210501	11 Nov 2010	2005210501	ALIPHATIC-AROMATIC POLYESTERS, AND ARTICLES MADE THEREFROM
AD6990 -BR- PCT	Brazil	PCT Application	28 Jan 2005	PI0506555.0			ALIPHATIC-AROMATIC POLYESTERS, AND ARTICLES MADE THEREFROM
AD6990 -CN- PCT	China	PCT Application	28 Jan 2005	200580009436.6	04 May 2011	200580009436.6	ALIPHATIC-AROMATIC POLYESTERS, AND ARTICLES MADE THEREFROM
AD6990 -IN-PCT	India	PCT Application	28 Jan 2005	4323/DELNP/2006	06 Sep 2013	257152	ALIPHATIC-AROMATIC POLYESTERS, AND ARTICLES MADE THEREFROM
AD6990 -JP-PCT	Japan	PCT Application	28 Jan 2005	551607/06	03 Jun 2011	4755995	ALIPHATIC-AROMATIC POLYESTERS, AND ARTICLES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
AD6990 -TW-NP	Taiwan	National Patent	20 Jan 2005	094101710	21 Jul 2013	I402308	ALIPHATIC-AROMATIC POLYESTERS, AND ARTICLES MADE THEREFROM
AD6990 -US-NP	United States Of America	National Patent	30 Jan 2004	10/768297	18 Nov 2008	7452927	ALIPHATIC-AROMATIC POLYESTERS, AND ARTICLES MADE THEREFROM
AD7020 -CN-PCT	China	PCT Application	10 Jun 2004	200480022043.4	09 Sep 2009	200480022043.4	ALIPHATIC-AROMATIC POLYETHERESTER COMPOSITIONS, ARTICLES, FILMS, COATING AND LAMINATES AND PROCESSES FOR PRODUCING SAME
AD7020 -US-NP	United States Of America	National Patent	11 Jun 2003	10/459161	05 Dec 2006	7144632	ALIPHATIC-AROMATIC POLYETHERESTER COMPOSITIONS, ARTICLES, FILMS, COATING AND LAMINATES AND PROCESSES FOR PRODUCING SAME
CH2756 -CN-DIV	China	National Patent Divisional	02 Aug 2005	200510088267.1	30 Jan 2008	200510088267.1	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -CN-PCT	China	PCT Application	01 Mar 2001	01800398.2	15 Mar 2006	01800398.2	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -DE-EPT	Germany	Euro-PCT Application	01 Mar 2001	01922259.5	04 Jan 2006	60116479.2	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Mar 2001	01922259.5	04 Jan 2006	1175521	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -GB-EPT	United Kingdom	Euro-PCT Application	01 Mar 2001	01922259.5	04 Jan 2006	1175521	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -IN-PCT	India	PCT Application	01 Mar 2001	1261/MUM/01	30 Oct 2006	203204	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -IT-EPT	Italy	Euro-PCT Application	01 Mar 2001	01922259.5	04 Jan 2006	1175521	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -JP-PCD	Japan	PCT Application Divisional	25 Dec 2012	281245/12	23 May 2014	5547270	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -JP-PCD[2]	Japan	PCT Application Divisional	14 Aug 2014	2014-165291	18 Sep 2015	5810199	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -JP-PCT	Japan	PCT Application	01 Mar 2001	565436/01	08 Jun 2012	5010085	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH2756 -KR- PCT	South Korea / Republic of Korea	PCT Application	01 Mar 2001	10-2001-7013993	18 Jul 2006	604284	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -TR- PCT	Turkey	PCT Application	01 Mar 2001	01/3141	23 Jan 2006	TR200103141B	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -TW-NP	Taiwan	National Patent	02 Mar 2001	90104895	01 Apr 2004	NI207836	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -US- DIV	United States Of America	National Patent Divisional	28 Feb 2001	09/795933	06 Jan 2004	6672047	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -US- DIV[1]	United States Of America	National Patent Divisional	13 Mar 2001	09/805480	25 Dec 2001	6333106	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -US- DIV[2]	United States Of America	National Patent Divisional	12 Dec 2003	10/735462	14 Feb 2006	6998079	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2756 -US-NP	United States Of America	National Patent	03 Mar 2000	09/518732	11 Sep 2001	6287688	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
CH2775 -US-NP	United States Of America	National Patent	03 Dec 2003	10/727937	22 Nov 2005	6967057	POLY(TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2783 -CA-NP	Canada	National Patent	25 Jun 2002	2391431	17 Aug 2010	2391431	PROCESS FOR PREPARING PIGMENTED SHAPED ARTICLES COMPRISING POLY(TRIMETHYLENE TEREPHTHALATE)
CH2783 -MX-NP	Mexico	National Patent	28 Jun 2002	02/006525	31 Aug 2006	239910	PROCESS FOR PREPARING PIGMENTED SHAPED ARTICLES COMPRISING POLY(TRIMETHYLENE TEREPHTHALATE)
CH2783 -US-NP	United States Of America	National Patent	29 Jun 2001	09/895906	25 May 2004	6740276	PROCESS FOR PREPARING PIGMENTED SHAPED ARTICLES COMPRISING POLY(TRIMETHYLENE TEREPHTHALATE)
CH2784 -BR-NP	Brazil	National Patent	25 Nov 2004	PI0405252.8	11 Aug 2015	PI0405252.8	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -CA- PCT	Canada	PCT Application	23 Jun 2003	2488053	05 Jul 2011	2488053	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH2784 -CN- PCT	China	PCT Application	23 Jun 2003	03814834.X	26 May 2010	03814834.X	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -DE- EPT	Germany	Euro-PCT Application	23 Jun 2003	03762006.9	27 May 2009	1552044	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	23 Jun 2003	03762006.9	27 May 2009	1552044	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -GB- EPT	United Kingdom	Euro-PCT Application	23 Jun 2003	03762006.9	27 May 2009	1552044	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -IN-PCT	India	PCT Application	23 Jun 2003	3432/DELNP/2004	16 Apr 2012	251900	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -IT-EPT	Italy	Euro-PCT Application	23 Jun 2003	03762006.9	27 May 2009	1552044	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -KR- PCT	South Korea / Republic of Korea	PCT Application	23 Jun 2003	10-2004-7021031	19 Aug 2011	1059594	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -TR- EPT	Turkey	Euro-PCT Application	23 Jun 2003	03762006.9	27 May 2009	1552044	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -TW-NP	Taiwan	National Patent	27 Jun 2003	092117689	11 Apr 2011	1340185	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784 -US-NP	United States Of America	National Patent	27 Jun 2002	10/183710	02 Aug 2005	6923925	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2793 -CN- PCT	China	PCT Application	10 Aug 2000	00811948.1	12 May 2004	00811948.1	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE)
CH2793 -IN-PCT	India	PCT Application	10 Aug 2000	0061/MUM/02	31 Oct 2007	211462	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE)
CH2793 -KR- PCT	South Korea / Republic of Korea	PCT Application	10 Aug 2000	10-2002-7002368	25 Apr 2007	713734	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH2793 -TR- PCT	Turkey	PCT Application	10 Aug 2000	02/462	21 Jun 2004	TR200200462B	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE)
CH2793 -US-NP	United States Of America	National Patent	23 Aug 2000	09/644008	28 Aug 2001	6281325	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE)
CH2807 -CN- PCT	China	PCT Application	10 Oct 2003	200380101274.X	03 Dec 2008	200380101274.X	ESTERIFICATION PROCESS
CH2807 -IN-PCT	India	PCT Application	10 Oct 2003	740/DELNP/2005			ESTERIFICATION PROCESS
CH2807 -KR- PCT	South Korea / Republic of Korea	PCT Application	10 Oct 2003	10-2005-7006091	28 Feb 2011	1020423	ESTERIFICATION PROCESS
CH2807 -US-NP	United States Of America	National Patent	11 Oct 2002	10/269734	03 May 2005	6887953	ESTERIFICATION PROCESS
CH2848 -JP-PCT	Japan	PCT Application	14 May 2002	580628/03	26 Sep 2008	4191611	POLY(TRIMETHYLENE TEREPHTHALATE) CARPETS
CH2848 -US-CIP	United States Of America	Continuation -in-Part	18 Jun 2002	10/174150	17 Aug 2004	6777059	POLY(TRIMETHYLENE TEREPHTHALATE) CARPETS
CH3232 -US-NP	United States Of America	National Patent	14 Aug 2008	12/191342	13 Jul 2010	7754092	SOIL RESIST ADDITIVE
CH3297 -US-NP	United States Of America	National Patent	29 Jun 2009	12/493887	08 Mar 2011	7901589	PROPANEDIOL SOIL RESIST COMPOSITIONS
CH3303 -US-NP	United States Of America	National Patent	29 Jun 2009	12/493917	22 Jan 2013	8357621	SOIL RESIST METHOD
CL1283 -CN- PCT	China	PCT Application	16 Sep 1999	99810844.8	30 Apr 2008	99810844.8	NUCLEATING AGENT FOR POLYESTERS
CL1283 -DE- EPT	Germany	Euro-PCT Application	16 Sep 1999	99949691.2	04 Jun 2003	69908615.9	NUCLEATING AGENT FOR POLYESTERS
CL1283 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	16 Sep 1999	99949691.2	04 Jun 2003	1114095	NUCLEATING AGENT FOR POLYESTERS
CL1283 -IN-DIV	India	National Patent Divisional	05 Jul 2005	00720/MUMNP/200 5	22 Jun 2011	248146	NUCLEATING AGENT FOR POLYESTERS
CL1283 -IN-PCT	India	PCT Application	16 Sep 1999	0157/MUM/01	15 Oct 2007	210901	NUCLEATING AGENT FOR POLYESTERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL1283 -KR- PCT	South Korea / Republic of Korea	PCT Application	16 Sep 1999	10-2001-7003503	09 Jun 2006	0590649	NUCLEATING AGENT FOR POLYESTERS
CL1283 -TW-NP	Taiwan	National Patent	17 Nov 1999	88116160	03 Mar 2003	NI-164687	NUCLEATING AGENT FOR POLYESTERS
CL1283 -US-NP	United States Of America	National Patent	19 Mar 1999	09/273288	12 Jun 2001	6245844	NUCLEATING AGENT FOR POLYESTERS
CL1330 -US- PCT	United States Of America	PCT Application	19 Jan 2000	09/857572	14 Feb 2006	7000000	POLYSACCHARIDE FIBERS
CL1441 -CN- PCT	China	PCT Application	02 Mar 2000	00805782.6	29 Jun 2005	00805782.6	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -DE- EPT	Germany	Euro-PCT Application	02 Mar 2000	00916044.1	04 Aug 2004	60012722.2	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	02 Mar 2000	00916044.1	04 Aug 2004	1171520	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -GB- EPT	United Kingdom	Euro-PCT Application	02 Mar 2000	00916044.1	04 Aug 2004	1171520	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -ID-PCT	Indonesia	PCT Application	02 Mar 2000	W-2001/2103	13 May 2016	IDP000041277	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -IN-DIV	India	National Patent Divisional	02 Jun 2005	00540/MUMNP/2005			LOW EMISSION POLYMER COMPOSITIONS
CL1441 -JP-PCT	Japan	PCT Application	02 Mar 2000	608683/00	08 Apr 2011	4716576	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -KR- PCT	South Korea / Republic of Korea	PCT Application	02 Mar 2000	10-2001-7012624	13 Jul 2006	603472	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -MX- PCT	Mexico	PCT Application	02 Mar 2000	01/009775	15 Mar 2006	234901	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -TR- PCT	Turkey	PCT Application	02 Mar 2000	01/2807	21 Jun 2004	TR200102807B	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -TW-NP	Taiwan	National Patent	30 Mar 2000	089105927	08 Oct 2004	NI-204014	LOW EMISSION POLYMER COMPOSITIONS
CL1441 -US-NP	United States Of America	National Patent	17 Feb 2000	09/505785	18 Dec 2001	6331264	LOW EMISSION POLYMER COMPOSITIONS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL1442 -CN- PCT	China	PCT Application	10 Aug 2000	00811949.X	19 May 2004	00811949.X	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE) POLYESTER WITH LOW LEVEL OF DI(1,3- PROPYLENE GLYCOL)
CL1442 -IN-PCT	India	PCT Application	10 Aug 2000	0060/MUM/02	09 Apr 2007	205753	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE) POLYESTER WITH LOW LEVEL OF DI(1,3- PROPYLENE GLYCOL)
CL1442 -JP-PCT	Japan	PCT Application	10 Aug 2000	518776/01	07 Jun 2013	5283298	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE) POLYESTER WITH LOW LEVEL OF DI(1,3- PROPYLENE GLYCOL)
CL1442 -US-NP	United States Of America	National Patent	23 Aug 2000	09/644007	01 Jan 2002	6335421	PREPARATION OF POLY(TRIMETHYLENE TEREPHTHALATE) POLYESTER WITH LOW LEVEL OF DI(1,3- PROPYLENE GLYCOL)
CL1469 -US-NP	United States Of America	National Patent	01 Jul 1999	09/346418	21 Aug 2001	6277289	TREATMENT OF AQUEOUS ALDEHYDE WASTE STREAMS
CL1486 -AU- PCT	Australia	PCT Application	22 Apr 1999	35471/99	14 Feb 2002	740461	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -BR- PCT	Brazil	PCT Application	22 Apr 1999	PI9909933.0	10 Jan 2012	PI9909933.0	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -CN- PCT	China	PCT Application	22 Apr 1999	99805312.0	24 Mar 2004	99805312.0	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -DE- EPT	Germany	Euro-PCT Application	22 Apr 1999	99917322.2	20 Sep 2006	69933292.3	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	22 Apr 1999	99917322.2	20 Sep 2006	1088016	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -FR- EPT	France	Euro-PCT Application	22 Apr 1999	99917322.2	20 Sep 2006	1088016	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL1486 -GB- EPT	United Kingdom	Euro-PCT Application	22 Apr 1999	99917322.2	20 Sep 2006	1088016	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -HK- FPR	Hong Kong	Foreign Patent Registration	01 Nov 2001	01107644.4	21 Jan 2005	1036813	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -JP-PCT	Japan	PCT Application	22 Apr 1999	544713/00	21 Feb 2003	3399465	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -KR- PCT	South Korea / Republic of Korea	PCT Application	22 Apr 1999	10-2000-7011707	05 Dec 2005	0535849	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -MX- PCT	Mexico	PCT Application	22 Apr 1999	10288	06 Feb 2004	219024	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -SG- PCT	Singapore	PCT Application	22 Apr 1999	200005956.8	30 Nov 2002	76727	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1486 -TR- PCT	Turkey	PCT Application	22 Apr 1999	00/3072	21 Jun 2001	TR200003072B	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME.
CL1487 -CN- PCT	China	PCT Application	22 Apr 1999	99805331.7	22 Jan 2003	99805331.7	POLYESTER CONTAINER AND METHOD FOR MAKING SAME.
CL1487 -DE- EPT	Germany	Euro-PCT Application	22 Apr 1999	99917323.0	27 Jun 2007	69936398.5	POLYESTER CONTAINER AND METHOD FOR MAKING SAME.
CL1487 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	22 Apr 1999	99917323.0	27 Jun 2007	1147249	POLYESTER CONTAINER AND METHOD FOR MAKING SAME.
CL1487 -GB- EPT	United Kingdom	Euro-PCT Application	22 Apr 1999	99917323.0	27 Jun 2007	1147249	POLYESTER CONTAINER AND METHOD FOR MAKING SAME.
CL1487 -JP-PCT	Japan	PCT Application	22 Apr 1999	544856/00	07 Feb 2003	3395972	POLYESTER CONTAINER AND METHOD FOR MAKING SAME.
CL1487 -KR- PCT	South Korea / Republic of Korea	PCT Application	22 Apr 1999	10-2000-7011708	05 Dec 2005	0535850	POLYESTER CONTAINER AND METHOD FOR MAKING SAME.
CL1487 -TR- PCT	Turkey	PCT Application	22 Apr 1999	00/3073	21 Sep 2001	TR200003073B	POLYESTER CONTAINER AND METHOD FOR MAKING SAME.

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL1488 -CN- PCT	China	PCT Application	22 Apr 1999	99805308.2	24 Mar 2004	99805308.2	OPTICAL ARTICLES COMPRISING ISOSORBIDE POLYESTERS AND METHOD FOR MAKING SAME.
CL1488 -KR- PCT	South Korea / Republic of Korea	PCT Application	22 Apr 1999	10-2000-7011710	11 Nov 2005	0529665	OPTICAL ARTICLES COMPRISING ISOSORBIDE POLYESTERS AND METHOD FOR MAKING SAME.
CL1488 -TR- PCT	Turkey	PCT Application	22 Apr 1999	00/3095	21 Jun 2001	TR200003095B	OPTICAL ARTICLES COMPRISING ISOSORBIDE POLYESTERS AND METHOD FOR MAKING SAME.
CL1489 -CN- PCT	China	PCT Application	22 Apr 1999	99805341.4	19 May 2004	99805341.4	POLYESTER FILM AND METHODS FOR MAKING SAME.
CL1489 -KR- PCT	South Korea / Republic of Korea	PCT Application	22 Apr 1999	10-2000-7011712	19 Jul 2005	504063	POLYESTER FILM AND METHODS FOR MAKING SAME.
CL1489 -TR- PCT	Turkey	PCT Application	22 Apr 1999	00/3075	21 Jun 2001	TR200003075B	POLYESTER FILM AND METHODS FOR MAKING SAME.
CL1490 -CN- PCT	China	PCT Application	22 Apr 1999	99805345.7	29 Dec 2004	99805345.7	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER BLENDED WITH OTHER THERMOPLASTIC POLYMERS.
CL1490 -KR- DIV	South Korea / Republic of Korea	National Patent Divisional	30 Dec 2005	10-2005-7025366	07 Feb 2006	0552035	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER BLENDED WITH OTHER THERMOPLASTIC POLYMERS.
CL1490 -KR- PCT	South Korea / Republic of Korea	PCT Application	22 Apr 1999	10-2000-7011713	07 Feb 2006	0552037	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER BLENDED WITH OTHER THERMOPLASTIC POLYMERS.
CL1490 -TR- PCT	Turkey	PCT Application	22 Apr 1999	00/3070	21 Nov 2007	TR200003070B	POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER BLENDED WITH OTHER THERMOPLASTIC POLYMERS.
CL1492 -CN- PCT	China	PCT Application	16 Apr 1999	99805325.2	09 Apr 2003	99805325.2	SHEETS FORMED FROM POLYESTERS INCLUDING ISOSORBIDE.
CL1492 -JP-PCT	Japan	PCT Application	16 Apr 1999	544501/00	07 Feb 2003	3395970	SHEETS FORMED FROM POLYESTERS INCLUDING ISOSORBIDE.

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL1492 -KR- PCT	South Korea / Republic of Korea	PCT Application	16 Apr 1999	10-2000-7011716	04 Aug 2005	0515104	SHEETS FORMED FROM POLYESTERS INCLUDING ISOSORBIDE.
CL1492 -TR- PCT	Turkey	PCT Application	16 Apr 1999	00/3067	21 May 2001	TR200003067B	SHEETS FORMED FROM POLYESTERS INCLUDING ISOSORBIDE.
CL1493 -CN- PCT	China	PCT Application	16 Apr 1999	99805311.2	02 Jul 2003	99805311.2	ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME.
CL1493 -DE- EPT	Germany	Euro-PCT Application	16 Apr 1999	99917314.9	01 Jul 2009	69941054.1	ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME.
CL1493 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	16 Apr 1999	99917314.9	01 Jul 1999	1112174	ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME.
CL1493 -GB- EPT	United Kingdom	Euro-PCT Application	16 Apr 1999	99917314.9	01 Jul 2009	1112174	ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME.
CL1493 -JP-PCT	Japan	PCT Application	16 Apr 1999	544492/00	04 Apr 2003	3413640	ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME.
CL1493 -KR- PCT	South Korea / Republic of Korea	PCT Application	16 Apr 1999	10-2000-7011717	16 Jan 2006	545285	ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME.
CL1493 -TR- PCT	Turkey	PCT Application	16 Apr 1999	00/3057	21 May 2001	TR200003057B	ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME.
CL1873 -CN- PCT	China	PCT Application	12 Jun 2003	03819324.8	26 May 2010	03819324.8	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL1873 -JP-PCT	Japan	PCT Application	12 Jun 2003	513358/04	04 Sep 2009	4368791	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL1873 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Jun 2003	10-2004-7020336	23 Jun 2010	0967289	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL1873 -US-NP	United States Of America	National Patent	14 Jun 2002	10/171924	02 Dec 2003	6656577	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL2977 -CH- EPT	Switzerland	Euro-PCT Application	12 May 2006	06752529.5	24 Oct 2012	1879544	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL2977 -DE- EPT	Germany	Euro-PCT Application	12 May 2006	06752529.5	24 Oct 2012	602006032659.9	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL2977 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	12 May 2006	06752529.5	24 Oct 2012	1879544	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL2977 -FR- EPT	France	Euro-PCT Application	12 May 2006	06752529.5	24 Oct 2012	1879544	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL2977 -GB- EPT	United Kingdom	Euro-PCT Application	12 May 2006	06752529.5	24 Oct 2012	1879544	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL2977 -IT-EPT	Italy	Euro-PCT Application	12 May 2006	06752529.5	24 Oct 2012	1879544	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL2977 -JP-PCT	Japan	PCT Application	12 May 2006	511427/08	19 Oct 2012	5113743	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL2977 -US-NP	United States Of America	National Patent	10 May 2006	11/431773	27 Dec 2011	8084514	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3025 -BE- EPT	Belgium	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -BR- PCT	Brazil	PCT Application	20 Dec 2006	PI0621118.6	30 Jan 2018	PI0621118-6	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -CN- PCT	China	PCT Application	20 Dec 2006	200680048469.6	14 Mar 2012	200680048469.6	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL3025 -DE- EPT	Germany	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	602006047115.7	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -DK- EPT	Denmark	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -ES- EPT	Spain	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -FR- EPT	France	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -GB- EPT	United Kingdom	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -IN-PCT	India	PCT Application	20 Dec 2006	4749/DELNP/2008	25 Jan 2017	279585	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -IT-EPT	Italy	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	50201600000301 2	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -JP-PCT	Japan	PCT Application	20 Dec 2006	547484/08	05 Sep 2014	5608326	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -KR- PCT	South Korea / Republic of Korea	PCT Application	20 Dec 2006	10-2008-7017521	04 Apr 2014	1384445	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -NL- EPT	Netherlands	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025 -TR- EPT	Turkey	Euro-PCT Application	20 Dec 2006	06848971.5	28 Oct 2015	2016/00946	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL3025 -US-NP	United States Of America	National Patent	14 Dec 2006	11/638919	12 May 2009	7531617	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3104 -US-NP	United States Of America	National Patent	10 May 2006	11/431682	14 Jul 2009	7560500	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3106 -US-NP	United States Of America	National Patent	10 May 2006	11/431680	24 Feb 2009	7495038	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -AU-PCT	Australia	PCT Application	18 Oct 2007	2007313155	14 Feb 2013	2007313155	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -CN-PCT	China	PCT Application	18 Oct 2007	200780038796.8	10 Jul 2013	200780038796.8	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -DE-EPT	Germany	Euro-PCT Application	18 Oct 2007	07839685.0	28 Sep 2016	602007048127.9	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Oct 2007	07839685.0	28 Sep 2016	2078049	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -ES-EPT	Spain	Euro-PCT Application	18 Oct 2007	07839685.0	28 Sep 2016	2078049	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -FR-EPT	France	Euro-PCT Application	18 Oct 2007	07839685.0	28 Sep 2016	2078049	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -GB-EPT	United Kingdom	Euro-PCT Application	18 Oct 2007	07839685.0	28 Sep 2016	2078049	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL3249 -JP-PCT	Japan	PCT Application	18 Oct 2007	533383/09			MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -KR-PCT	South Korea / Republic of Korea	PCT Application	18 Oct 2007	10-2009-7009779	28 Apr 2015	1517628	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3249 -US-NP	United States Of America	National Patent	16 Oct 2007	11/974772	04 Jun 2013	8455566	MATERIALS LEADING TO IMPROVED DENTAL COMPOSITES AND DENTAL COMPOSITES MADE THEREFROM
CL3601 -BE-EPT	Belgium	Euro-PCT Application	11 Jul 2007	07836045.0	23 Aug 2017	2041362	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -BR-PCT	Brazil	PCT Application	11 Jul 2007	PI0713202.6	08 May 2018	PI0713202.6	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -CA-PCT	Canada	PCT Application	11 Jul 2007	2655183	23 Aug 2016	2655183	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -CN-PCT	China	PCT Application	11 Jul 2007	200780026176.2	05 Sep 2012	200780026176.2	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -DE-EPT	Germany	Euro-PCT Application	11 Jul 2007	07836045.0	23 Aug 2017	602007052113.0	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -DK-EPT	Denmark	Euro-PCT Application	11 Jul 2007	07836045.0	23 Aug 2017	2041362	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	11 Jul 2007	07836045.0	23 Aug 2017	2041362	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -GB-EPT	United Kingdom	Euro-PCT Application	11 Jul 2007	07836045.0	23 Aug 2017	2041362	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -ID-PCT	Indonesia	PCT Application	11 Jul 2007	W00200900077	14 May 2013	IDP0033654	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -IN-PCT	India	PCT Application	11 Jul 2007	10375/DELNP/2008			SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -JP-PCT	Japan	PCT Application	11 Jul 2007	519496/09	26 Sep 2014	5620101	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL3601 -KR- PCT	South Korea / Republic of Korea	PCT Application	11 Jul 2007	10-2009-7002363	03 Mar 2015	10-1500764	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -MX- PCT	Mexico	PCT Application	11 Jul 2007	MX/A/2009/000353	16 Dec 2014	326355	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -NL- EPT	Netherlands	Euro-PCT Application	11 Jul 2007	07836045.0	23 Aug 2017	2041362	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3601 -US-NP	United States Of America	National Patent	06 Jul 2007	11/774000	20 Sep 2011	8021736	SUBSTANTIALLY FLAME RETARDANT-FREE 3GT CARPET
CL3879 -US-NP	United States Of America	National Patent	06 Aug 2007	11/834248	21 Dec 2010	7855244	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -BR- PCT	Brazil	PCT Application	05 Aug 2008	PI0813592.4			FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -CA- PCT	Canada	PCT Application	05 Aug 2008	2695906	24 Nov 2015	2695906	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -CN- PCT	China	PCT Application	05 Aug 2008	200880107545.5	13 Mar 2013	200880107545.5	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -DE- EPT	Germany	Euro-PCT Application	05 Aug 2008	08797162.8	29 Jun 2011	2176332	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	05 Aug 2008	08797162.8	29 Jun 2011	2176332	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -GB- EPT	United Kingdom	Euro-PCT Application	05 Aug 2008	08797162.8	29 Jun 2011	2176332	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -ID-PCT	Indonesia	PCT Application	05 Aug 2008	W00201000412	10 Apr 2016	P000040870	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -IN-PCT	India	PCT Application	05 Aug 2008	864/DELNP/2010	14 Dec 2016	278136	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL3881 -JP-PCT	Japan	PCT Application	05 Aug 2008	520253/10	30 Aug 2013	5352588	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL3881 -KR- PCT	South Korea / Republic of Korea	PCT Application	05 Aug 2008	10-2010-7004931	15 Jun 2015	10-1530399	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL4508 -AU- PCT	Australia	PCT Application	15 Dec 2009	2009327479	28 Apr 2016	2009327479	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -BE- EPT	Belgium	Euro-PCT Application	15 Dec 2009	09796189.0	04 Dec 2013	2358930	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -BR- PCT	Brazil	PCT Application	15 Dec 2009	PI0916099.0			POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -CA- PCT	Canada	PCT Application	15 Dec 2009	2742384	21 Mar 2017	2742384	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4508 -DE- EPT	Germany	Euro-PCT Application	15 Dec 2009	09796189.0	04 Dec 2013	602009020557.9	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -DK- EPT	Denmark	Euro-PCT Application	15 Dec 2009	09796189.0	04 Dec 2013	2358930	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	15 Dec 2009	09796189.0	04 Dec 2013	2358930	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -FR- EPT	France	Euro-PCT Application	15 Dec 2009	09796189.0	04 Dec 2013	2358930	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -GB- EPT	United Kingdom	Euro-PCT Application	15 Dec 2009	09796189.0	04 Dec 2013	2358930	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4508 -IN-PCT	India	PCT Application	15 Dec 2009	4716/DELNP/2011			POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -JP-PCT	Japan	PCT Application	15 Dec 2009	542319/11	06 Mar 2015	5707334	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -KR- PCT	South Korea / Republic of Korea	PCT Application	15 Dec 2009	10-2011-7016494	22 Mar 2017	10-1720810	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -MX- PCT	Mexico	PCT Application	15 Dec 2009	MX/A/2011/006418	21 Mar 2014	318654	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4508 -NL- EPT	Netherlands	Euro-PCT Application	15 Dec 2009	09796189.0	04 Dec 2013	2358930	POLY-TRIMETHYLENE TEREPHTHALATE SOLID CORE FIBRILLATION-RESISTANT FILAMENT HAVING A SUBSTANTIALLY TRIANGULAR CROSS SECTION, A SPINNERET FOR PRODUCING THE FILAMENT, AND A CARPET MADE THEREFROM
CL4681 -US-CIP	United States Of America	Continuation -in-Part	13 Oct 2011	13/272525	24 Sep 2013	8540912	POLY(TRIMETHYLENE ARYLATE) FIBERS, PROCESS FOR PREPARING, AND FABRIC PREPARED THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4682 -BR- PCT[1]	Brazil	PCT Application	07 Oct 2011	1120140077452			FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -CN- PCT[1]	China	PCT Application	07 Oct 2011	201180075129.3	15 Jun 2016	201180075129.3	FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -ID- PCT[1]	Indonesia	PCT Application	07 Oct 2011	p00201402018			FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -IN- PCT[1]	India	PCT Application	07 Oct 2011	2230/DELNP/2014			FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -JP- PCT[1]	Japan	PCT Application	07 Oct 2011	2014-534525	08 Jul 2016	5964437	FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -KR- PCD[1]	South Korea / Republic of Korea	PCT Application Divisional	07 Feb 2018	10-2018-7003715			FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -MX- PCT[1]	Mexico	PCT Application	07 Oct 2011	MX/a/2014/004059			FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -TH- PCT[1]	Thailand	PCT Application	07 Oct 2011	1401001889			FABRIC COMPRISING POLY (TRIMETHYLENE ARYLATE) FILAMENTS
CL4682 -US-CIP	United States Of America	Continuation -in-Part	07 Oct 2011	13/269058	17 Jun 2014	8753741	POLY(TRIMETHYLENE ARYLATE) FIBERS, PROCESS FOR PREPARING, AND FABRIC PREPARED THEREFROM
CL4697 -BE- EPT	Belgium	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	2467426	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -BR- PCT	Brazil	PCT Application	20 Aug 2010	1120120036424			MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -CN- PCT	China	PCT Application	20 Aug 2010	201080037036.7	30 Apr 2014	201080037036.7	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -DE- EPT	Germany	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	602010024311.7	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4697 -DK- EPT	Denmark	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	2467426	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	2467426	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -GB- EPT	United Kingdom	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	2467426	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -ID-PCT	Indonesia	PCT Application	20 Aug 2010	W00201200652	23 Sep 2016	IDP000042870	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -IN-PCT	India	PCT Application	20 Aug 2010	1127/DELNP/2012			MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -IT-EPT	Italy	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	50201500003732 1	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -JP-PCT	Japan	PCT Application	20 Aug 2010	525717/12	18 Sep 2015	5808327	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -NL- EPT	Netherlands	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	2467426	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -TR- EPT	Turkey	Euro-PCT Application	20 Aug 2010	10747550.1	29 Apr 2015	TR201509116T4	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)
CL4697 -TW-NP	Taiwan	National Patent	20 Aug 2010	099128020	11 Mar 2017	I573903	MASTERBATCH PROCESS FOR PRODUCING SHAPED ARTICLES OF POLY(TRIMETHYLENE ARYLATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4708-BR-PCT	Brazil	PCT Application	20 Aug 2010	1120120036416			POLY(TRIMETHYLENE ARYLATE)/POLYSTYRENE CONCENTRATE AND PROCESS FOR PREPARING
CL4708-CN-PCT	China	PCT Application	20 Aug 2010	201080037025.9	03 Jun 2015	201080037025.9	POLY(TRIMETHYLENE ARYLATE)/POLYSTYRENE CONCENTRATE AND PROCESS FOR PREPARING
CL4708-ID-PCT	Indonesia	PCT Application	20 Aug 2010	W00201200653	31 Jul 2018		POLY(TRIMETHYLENE ARYLATE)/POLYSTYRENE CONCENTRATE AND PROCESS FOR PREPARING
CL4708-JP-PCT	Japan	PCT Application	20 Aug 2010	525721/12	26 Dec 2014	5669844	POLY(TRIMETHYLENE ARYLATE)/POLYSTYRENE CONCENTRATE AND PROCESS FOR PREPARING
CL4708-TW-NP	Taiwan	National Patent	20 Aug 2010	099128019	11 Dec 2015	I512039	POLY(TRIMETHYLENE ARYLATE)/POLYSTYRENE CONCENTRATE AND PROCESS FOR PREPARING
CL4763-CN-PCT	China	PCT Application	29 Dec 2010	201080058455.9	25 Feb 2015	201080058455.9	FLAME RETARDANT POLY(TRIMETHYLENE TEREPHTHALATE) COMPOSITIONS
CL5009-AU-PCT	Australia	PCT Application	28 Dec 2011	2011352160	03 Dec 2015	2011352160	FLUORINATED POLYESTER BLEND
CL5009-BE-EPT	Belgium	Euro-PCT Application	28 Dec 2011	11853227.4	01 Feb 2017	2658923	FLUORINATED POLYESTER BLEND
CL5009-CN-PCT	China	PCT Application	28 Dec 2011	201180063121.5	22 Apr 2015	201180063121.5	FLUORINATED POLYESTER BLEND
CL5009-DE-EPT	Germany	Euro-PCT Application	28 Dec 2011	11853227.4	01 Feb 2017	602011034836.1	FLUORINATED POLYESTER BLEND
CL5009-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Dec 2011	11853227.4	01 Feb 2017	2658923	FLUORINATED POLYESTER BLEND
CL5009-FR-EPT	France	Euro-PCT Application	28 Dec 2011	11853227.4	01 Feb 2017	2658923	FLUORINATED POLYESTER BLEND
CL5009-GB-EPT	United Kingdom	Euro-PCT Application	28 Dec 2011	11853227.4	01 Feb 2017	2658923	FLUORINATED POLYESTER BLEND
CL5009-JP-PCT	Japan	PCT Application	28 Dec 2011	547633/13	02 Oct 2015	5813134	FLUORINATED POLYESTER BLEND

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5009 -KR- PCT	South Korea / Republic of Korea	PCT Application	28 Dec 2011	10-2013-7019826	26 Apr 2018	10-1854488	FLUORINATED POLYESTER BLEND
CL5009 -NL- EPT	Netherlands	Euro-PCT Application	28 Dec 2011	11853227.4	01 Feb 2017	2658923	FLUORINATED POLYESTER BLEND
CL5009 -TR- EPT	Turkey	Euro-PCT Application	28 Dec 2011	11853227.4	01 Feb 2017	2017/05737	FLUORINATED POLYESTER BLEND
CL5009 -US-NP	United States Of America	National Patent	28 Dec 2011	13/338310	08 Jul 2014	8772420	FLUORINATED POLYESTER BLEND
CL5041 -CN-NP	China	National Patent	23 Jun 2011	201110175679.4	24 Sep 2014	201110175679.4	MODIFIED NANOPARTICLES, THEIR PREPARATION AND USE TO IMPROVE CATIONIC DYEABILITY OF FIBROUS SUBSTRATE
CL5045 -AU- PCT	Australia	PCT Application	28 Dec 2011	2011352161	02 Feb 2017	2011352161	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -CN- PCT	China	PCT Application	28 Dec 2011	201180063053.2	25 Nov 2015	201180063053.2	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -DE- EPT	Germany	Euro-PCT Application	28 Dec 2011	11852676.3	01 Mar 2017	602011035558.9	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	28 Dec 2011	11852676.3	01 Mar 2017	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -ES- EPT	Spain	Euro-PCT Application	28 Dec 2011	11852676.3	01 Mar 2017	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -FR- EPT	France	Euro-PCT Application	28 Dec 2011	11852676.3	01 Mar 2017	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -GB- EPT	United Kingdom	Euro-PCT Application	28 Dec 2011	11852676.3	01 Mar 2017	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -IT-EPT	Italy	Euro-PCT Application	28 Dec 2011	11852676.3	01 Mar 2017	50201700005266 6	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -JP-PCT	Japan	PCT Application	28 Dec 2011	547635/13	03 Jun 2016	5943939	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -KR- PCT	South Korea / Republic of Korea	PCT Application	28 Dec 2011	10-2013-7019827			A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5045 -TR- EPT	Turkey	Euro-PCT Application	28 Dec 2011	11852676.3	01 Mar 2017	2017/07027	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045 -US-NP	United States Of America	National Patent	28 Dec 2011	13/338326	18 Nov 2014	8889256	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5046 -AU- PCT	Australia	PCT Application	12 Oct 2012	2012348327	10 Nov 2016	2012348327	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -BE- EPT	Belgium	Euro-PCT Application	12 Oct 2012	12855446.6	14 Sep 2016	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -CN- PCT	China	PCT Application	12 Oct 2012	201280058423.8	23 Sep 2015	201280058423.8	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -DE- EPT	Germany	Euro-PCT Application	12 Oct 2012	12855446.6	14 Sep 2016	602012023150.5	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	12 Oct 2012	12855446.6	14 Sep 2016	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -FR- EPT	France	Euro-PCT Application	12 Oct 2012	12855446.6	14 Sep 2016	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -GB- EPT	United Kingdom	Euro-PCT Application	12 Oct 2012	12855446.6	14 Sep 2016	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -IN-PCT	India	PCT Application	12 Oct 2012	3466/DELNP/2014			PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5046 -IT-EPT	Italy	Euro-PCT Application	12 Oct 2012	12855446.6	14 Sep 2016	50201600012134 0	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -JP-PCT	Japan	PCT Application	12 Oct 2012	545899/14	02 Dec 2016	6049148	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Oct 2012	10-2014-7018474			PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -NL- EPT	Netherlands	Euro-PCT Application	12 Oct 2012	12855446.6	14 Sep 2016	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046 -US-NP	United States Of America	National Patent	08 Dec 2011	13/314616	13 May 2014	8722846	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5069 -BE- EPT	Belgium	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -CN-NP	China	National Patent	14 Jul 2010	201010229883.5	19 Mar 2014	201010229883.5	SURFACE TREATMENT OF POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -DE- EPT	Germany	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	602011019392.9	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -DK- EPT	Denmark	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -FR- EPT	France	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -GB- EPT	United Kingdom	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -ID-PCT	Indonesia	PCT Application	13 Jul 2011	W00201300630	21 Mar 2016	IDP000040855	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5069 -IN-PCT	India	PCT Application	13 Jul 2011	10750/DELNP/2012			SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -IT-EPT	Italy	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	50201500007824 9	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -JP-PCT	Japan	PCT Application	13 Jul 2011	519786/13	15 Jan 2016	5868970	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -NL-EPT	Netherlands	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -TR-EPT	Turkey	Euro-PCT Application	13 Jul 2011	11746059.2	02 Sep 2015	2015/15186	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -TW-NP	Taiwan	National Patent	14 Jul 2011	100124920	11 Oct 2015	I503464	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069 -US-PCT	United States Of America	PCT Application	13 Jul 2011	13/807945	18 Jul 2017	9708505	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5072 -AU-PCT	Australia	PCT Application	12 Oct 2012	2012348328	15 Jun 2017	2012348328	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -BE-EPT	Belgium	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -CN-PCT	China	PCT Application	12 Oct 2012	201280060201.X	28 Dec 2016	201280060201.X	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -DE-EPT	Germany	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	602012042482.6	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -DK-EPT	Denmark	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -FR-EPT	France	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -GB-EPT	United Kingdom	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -IN-PCT	India	PCT Application	12 Oct 2012	3468/DELNP/2014			PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5072 -JP-PCT	Japan	PCT Application	12 Oct 2012	2014-545900	09 Jun 2017	6153939	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Oct 2012	10-2014-7018475			PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -NL- EPT	Netherlands	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -TR- EPT	Turkey	Euro-PCT Application	12 Oct 2012	12855025.8	24 Jan 2018	2018/05509	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072 -US-NP	United States Of America	National Patent	08 Dec 2011	13/314664	20 Aug 2013	8513454	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5079 -AU- PCT	Australia	PCT Application	16 May 2011	2011265686	30 Apr 2015	2011265686	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -BE- EPT	Belgium	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	2582756	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -BR- PCT	Brazil	PCT Application	16 May 2011	112012031987.6			FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -CA- PCT	Canada	PCT Application	16 May 2011	2802672	04 Jul 2017	2802672	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -CN- PCT	China	PCT Application	16 May 2011	201180038598.8	03 Aug 2016	201180038598.8	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -DE- EPT	Germany	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	602011046961.4	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5079 -DK- EPT	Denmark	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	2582756	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	2582756	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -FR- EPT	France	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	2582756	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -GB- EPT	United Kingdom	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	2582756	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -IN-PCT	India	PCT Application	16 May 2011	10752/DELNP/2012			FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -JP-PCT	Japan	PCT Application	16 May 2011	515345/13	18 Dec 2015	5855647	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -KR- PCT	South Korea / Republic of Korea	PCT Application	16 May 2011	10-2013-7001144	08 May 2018	10-1857833	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -MX- PCD	Mexico	PCT Application Divisional	14 Sep 2016	MX/a/2016/011968			FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -MX- PCT	Mexico	PCT Application	16 May 2011	MX/A/2012/14805			FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -NL- EPT	Netherlands	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	2582756	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5079 -TR- EPT	Turkey	Euro-PCT Application	16 May 2011	11796126.8	28 Mar 2018	2018/09051	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5079 -TW-NP	Taiwan	National Patent	16 May 2011	100117091	01 Mar 2016	I523993	FLAME RETARDANT POLY(TRIMETHYLENE) TEREPHTHALATE COMPOSITIONS AND ARTICLES MADE THEREFROM
CL5100 -CN- PCT	China	PCT Application	01 Mar 2012	201280010935.7	08 Jun 2016	201280010935.7	PROCESS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5100 -IN-PCT	India	PCT Application	01 Mar 2012	6831/DELNP/2013	28 Sep 2018	301610	PROCESS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5100 -MX- PCT	Mexico	PCT Application	01 Mar 2012	MX/A/2013/009928	12 Sep 2016	342036	PROCESS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5100 -TH- PCT	Thailand	PCT Application	01 Mar 2012	1301004866			PROCESS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5100 -TW-NP	Taiwan	National Patent	01 Mar 2011	101106679	11 Sep 2016	I548505	PROCESS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5100 -US-NP	United States Of America	National Patent	24 Feb 2012	13/404314	12 Apr 2016	9308672	PROCESS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5226 -AU- PCT	Australia	PCT Application	28 Dec 2011	2011352244	29 Sep 2016	2011352244	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -BE- EPT	Belgium	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -CH- EPT	Switzerland	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -CN- PCT	China	PCT Application	28 Dec 2011	201180063103.7	13 May 2015	201180063103.7	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -DE- EPT	Germany	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	602011018364.8	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5226 -DK- EPT	Denmark	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -FR- EPT	France	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -GB- EPT	United Kingdom	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -JP-PCT	Japan	PCT Application	28 Dec 2011	547628/13	15 Apr 2016	5916756	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -NL- EPT	Netherlands	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -TR- EPT	Turkey	Euro-PCT Application	28 Dec 2011	11852654.0	29 Jul 2015	2015/13225	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226 -US-NP	United States Of America	National Patent	28 Dec 2011	13/338360	29 Oct 2013	8568874	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5252 -US-NP	United States Of America	National Patent	07 Sep 2012	13/606400	14 Jul 2015	9080195	HIGH TITER PRODUCTION OF POLY (ALPHA 1,3 GLUCAN)
CL5330 -AU- PCT	Australia	PCT Application	28 Dec 2011	2011352246	20 Oct 2016	2011352246	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -BE- EPT	Belgium	Euro-PCT Application	28 Dec 2011	11853485.8	26 Jul 2017	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -CN- PCT	China	PCT Application	28 Dec 2011	201180063071.0	21 Oct 2015	201180063071.0	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -DE- EPT	Germany	Euro-PCT Application	28 Dec 2011	11853485.8	26 Jul 2017	602011040031.2	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	28 Dec 2011	11853485.8	26 Jul 2017	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5330 -FR- EPT	France	Euro-PCT Application	28 Dec 2011	11853485.8	26 Jul 2017	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -GB- EPT	United Kingdom	Euro-PCT Application	28 Dec 2011	11853485.8	26 Jul 2017	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -JP-PCT	Japan	PCT Application	28 Dec 2011	547629/13	28 Apr 2016	5926743	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -KR- PCT	South Korea / Republic of Korea	PCT Application	28 Dec 2011	10-2013-7019829	10 Jul 2018	10-1879008	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -NL- EPT	Netherlands	Euro-PCT Application	28 Dec 2011	11853485.8	26 Jul 2017	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330 -US-NP	United States Of America	National Patent	28 Dec 2011	13/338369	28 Apr 2015	9017788	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5383 -US-NP	United States Of America	National Patent	07 Sep 2012	13/606373	04 Feb 2014	8642757	HIGH TITER PRODUCTION OF HIGHLY LINEAR POLY (ALPHA 1,3 GLUCAN)
CL5387 -CN- PCT	China	PCT Application	01 Mar 2012	201280011109.4	22 Mar 2017	201280011109.4	APPARATUS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5387 -IN-PCT	India	PCT Application	01 Mar 2012	6832/DELNP/2013			APPARATUS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5387 -TH- PCT	Thailand	PCT Application	01 Mar 2012	1301004867			APPARATUS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5387 -US-NP	United States Of America	National Patent	27 Feb 2012	13/405387	31 Mar 2015	8992198	APPARATUS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5408 -AT- EPT	Austria	Euro-PCT Application	05 Oct 2012	12773473.9	23 May 2018	2764145	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -AU- PCT	Australia	PCT Application	05 Oct 2012	2012318526	28 Sep 2017	2012318526	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5408 -CN- PCT	China	PCT Application	05 Oct 2012	201280059899.3	17 Aug 2016	201280059899.3	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -DE- EPT	Germany	Euro-PCT Application	05 Oct 2012	12773473.9	23 May 2018	602012046650.2	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	05 Oct 2012	12773473.9	23 May 2018	2764145	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -FR- EPT	France	Euro-PCT Application	05 Oct 2012	12773473.9	23 May 2018	2764145	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -GB- EPT	United Kingdom	Euro-PCT Application	05 Oct 2012	12773473.9	23 May 2018	2764145	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -IN-PCT	India	PCT Application	05 Oct 2012	2643/DELNP/2014			NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -JP-PCT	Japan	PCT Application	05 Oct 2012	2014-534745	28 Jul 2017	6182148	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -TH- PCT	Thailand	PCT Application	05 Oct 2012	1401001883			NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -TW-NP	Taiwan	National Patent	03 Oct 2012	101136471	11 Jan 2017	1565801	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5408 -US-NP	United States Of America	National Patent	05 Oct 2012	13/645570	03 Nov 2015	9175423	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5498 -US- NP[2]	United States Of America	National Patent	19 Feb 2013	13/770068	04 Aug 2015	9096956	PROCESS FOR THE PRODUCTION OF CARBON FIBERS FROM POLY(ALPHA(1- >3) GLUCAN) FIBERS
CL5499 -US-NP	United States Of America	National Patent	21 Dec 2011	13/333263	15 Dec 2015	9212301	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5578 -US-NP	United States Of America	National Patent	08 Nov 2011	13/291656	22 Jul 2014	8785568	POLYMER BLEND COMPRISING FLUORINATED BLOCK COPOLYESTER
CL5579 -US-NP	United States Of America	National Patent	08 Nov 2011	13/291673	15 Apr 2014	8697816	SHAPED ARTICLES COMPRISING FLUORINATED BLOCK COPOLYESTERS
CL5606 -AU- PCT[2]	Australia	PCT Application	26 Jun 2014	2014367230			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5606 -BR- PCT[2]	Brazil	PCT Application	26 Jun 2014	1120150156096			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -CN- PCT[2]	China	PCT Application	26 Jun 2014	201480010961.9			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -IN- PCT[2]	India	PCT Application	26 Jun 2014	5645/DELNP/2015			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -JP- PCT[2]	Japan	PCT Application	26 Jun 2014	2016-560615			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -KR- PCT[2]	South Korea / Republic of Korea	PCT Application	26 Jun 2014	10-2015-7017407			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -MX- PCT[2]	Mexico	PCT Application	26 Jun 2014	MX/a/2015/008457			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -SG- PCT[2]	Singapore	PCT Application	26 Jun 2014	11201505127Q	30 Jun 2017	11201505127Q	FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -TH- PCT[2]	Thailand	PCT Application	26 Jun 2014	1501003774			FILMS OF POLY ALPHA-1,3- GLUCAN ESTERS AND METHOD FOR THEIR PREPARATION
CL5606 -US-CIP	United States Of America	Continuation -in-Part	26 Jun 2014	14/315387	02 Aug 2016	9403917	PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607 -AU- PCT	Australia	PCT Application	20 Dec 2013	2013370663	09 Nov 2017	2013370663	PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607 -BR- PCT	Brazil	PCT Application	20 Dec 2013	1120150155286			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607 -CA- PCT	Canada	PCT Application	20 Dec 2013	2895132			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607 -CL- PCT	Chile	PCT Application	20 Dec 2013	1853-2015	21 Jul 2017	54965	PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607 -CN- PCT	China	PCT Application	20 Dec 2013	201380073853.1			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5607-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2013	13821334.3			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-ID-PCT	Indonesia	PCT Application	20 Dec 2013	P00201503848			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-IN-PCT	India	PCT Application	20 Dec 2013	4673/DELNP/2015			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-JP-PCT	Japan	PCT Application	20 Dec 2013	2015-550693	22 Dec 2017	6261610	PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-KR-PCT	South Korea / Republic of Korea	PCT Application	20 Dec 2013	10-2015-7017106			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-MX-PCT	Mexico	PCT Application	20 Dec 2013	MX/a/2015/008463			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-MY-PCT	Malaysia	PCT Application	20 Dec 2013	PI2015701718			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-NZ-PCT	New Zealand	PCT Application	20 Dec 2013	708558			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-PH-PCT	Philippines	PCT Application	20 Dec 2013	1-2015-501541			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-SG-PCT	Singapore	PCT Application	20 Dec 2013	11201504218X	29 Aug 2017	11201504218X	PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-TH-PCT	Thailand	PCT Application	20 Dec 2013	1501003590			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-US-CNT	United States Of America	Continuation	02 Mar 2016	15/058406	19 Jun 2018	10000580	PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5607-US-NP	United States Of America	National Patent	20 Dec 2013	14/136226	08 Mar 2016	9278988	PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS AND FILMS THEREFROM
CL5632-US-NP	United States Of America	National Patent	21 Dec 2011	13/333501	10 May 2016	9334584	PROCESS FOR PREPARING POLYSACCHARIDE FIBERS FROM AQUEOUS ALKALI METAL HYDROXIDE SOLUTION
CL5635-AT-EPT	Austria	Euro-PCT Application	27 Dec 2012	12813240.4	24 Feb 2016	2798000	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5635 -AU- PCT	Australia	PCT Application	27 Dec 2012	2012362513	27 Oct 2016	2012362513	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -CN- PCT	China	PCT Application	27 Dec 2012	201280065123.2	10 May 2017	201280065123.2	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -DE- EPT	Germany	Euro-PCT Application	27 Dec 2012	12813240.4	24 Feb 2016	602012015047.5	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	27 Dec 2012	12813240.4	24 Feb 2016	2798000	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -GB- EPT	United Kingdom	Euro-PCT Application	27 Dec 2012	12813240.4	24 Feb 2016	2798000	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -IN-PCT	India	PCT Application	27 Dec 2012	4757/DELNP/2014			FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -JP-PCT	Japan	PCT Application	27 Dec 2012	2014-550438	16 Sep 2016	6005177	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -SG- PCT	Singapore	PCT Application	27 Dec 2012	11201403710R	11 Oct 2016	11201403710R	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -TH- PCT	Thailand	PCT Application	27 Dec 2012	1401003522			FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -TR- EPT	Turkey	Euro-PCT Application	27 Dec 2012	12813240.4	24 Feb 2016	2016/06530	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5635 -US-NP	United States Of America	National Patent	21 Dec 2012	13/723759	14 Jun 2016	9365955	FIBER COMPOSITION COMPRISING 1,3-GLUCAN AND METHOD OF PREPARING SAME
CL5661 -AU- PCT	Australia	PCT Application	23 May 2013	2013266331	09 Feb 2017	2013266331	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661 -BR- PCT	Brazil	PCT Application	23 May 2013	1120140288704			NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661 -CN- PCT	China	PCT Application	23 May 2013	201380027081.8	09 Nov 2016	201380027081.8	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5661-DE-EPT	Germany	Euro-PCT Application	23 May 2013	13726657.3	21 Dec 2016	602013015596.8	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 May 2013	13726657.3	21 Dec 2016	2855536	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-FR-EPT	France	Euro-PCT Application	23 May 2013	13726657.3	21 Dec 2016	2855536	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-ID-PCT	Indonesia	PCT Application	23 May 2013	P00201407331			NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-IN-PCT	India	PCT Application	23 May 2013	8909/DELNP/2014			NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-JP-PCT	Japan	PCT Application	23 May 2013	2015-514170	30 Jun 2017	6167172	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-KR-PCT	South Korea / Republic of Korea	PCT Application	23 May 2013	10-2014-7035559			NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-SG-PCT	Singapore	PCT Application	23 May 2013	11201407488S	16 Mar 2016	11201407488S	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-TH-PCT	Thailand	PCT Application	23 May 2013	1401007000			NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-US-DIV	United States Of America	National Patent Divisional	16 Apr 2015	14/688801	10 Jan 2017	9540747	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5661-US-NP	United States Of America	National Patent	24 May 2012	13/479990	19 May 2015	9034092	NOVEL COMPOSITION FOR PREPARING POLYSACCHARIDE FIBERS
CL5756-AU-PCT	Australia	PCT Application	25 Sep 2013	2013323686	12 Jan 2017	2013323686	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756-BR-PCT	Brazil	PCT Application	25 Sep 2013	1120150065694			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756-CA-PCT	Canada	PCT Application	25 Sep 2013	2884950			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756-CN-PCT	China	PCT Application	25 Sep 2013	201380049949.4	06 Jul 2018	201380049949.4	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756-EP-EPT	European Procedure (Patents)	Euro-PCT Application	25 Sep 2013	13774318.3			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5756 -HK- FPR	Hong Kong	Foreign Patent Registration	04 Feb 2016	16101290.7			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -ID-PCT	Indonesia	PCT Application	25 Sep 2013	P00201501743			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -IN-PCT	India	PCT Application	25 Sep 2013	1881/DELNP/2015			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -JP-PCT	Japan	PCT Application	25 Sep 2013	2015-533292			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -KR- PCT	South Korea / Republic of Korea	PCT Application	25 Sep 2013	2015-7010369			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -MX- PCT	Mexico	PCT Application	25 Sep 2013	MX/a/2015/003743			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -MY- PCT	Malaysia	PCT Application	25 Sep 2013	PI2015000552			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -NZ- PCT	New Zealand	PCT Application	25 Sep 2013	705700	02 Oct 2018	705700	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -PH- PCT	Philippines	PCT Application	25 Sep 2013	1-2015-500661			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -SG- PCT	Singapore	PCT Application	25 Sep 2013	11201502342Y	07 Nov 2016	11201502342Y	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -TH- PCT	Thailand	PCT Application	25 Sep 2013	1501001562			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- CNT[9]	United States Of America	Continuation	18 Oct 2018	16/163701			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV	United States Of America	National Patent Divisional	19 Sep 2014	14/490703	29 Mar 2016	9296996	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV[2]	United States Of America	National Patent Divisional	19 Sep 2014	14/490706	15 Mar 2016	9284539	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV[3]	United States Of America	National Patent Divisional	19 Sep 2014	14/490747	05 Jan 2016	9228176	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV[4]	United States Of America	National Patent Divisional	19 Sep 2014	14/490754	05 Jan 2016	9228177	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5756 -US- DIV[5]	United States Of America	National Patent Divisional	19 Sep 2014	14/490791	16 Feb 2016	9260701	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV[6]	United States Of America	National Patent Divisional	19 Sep 2014	14/490828	15 Mar 2016	9284540	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV[7]	United States Of America	National Patent Divisional	19 Sep 2014	14/490844	16 Feb 2016	9260702	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV[8]	United States Of America	National Patent Divisional	19 Sep 2014	14/490869	29 Mar 2016	9296997	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US- DIV[9]	United States Of America	National Patent Divisional	25 Mar 2016	15/080691			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5756 -US-NP	United States Of America	National Patent	25 Sep 2013	14/036049	28 Oct 2014	8871474	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL5828 -AU- PCT	Australia	PCT Application	16 Dec 2013	2013363174	16 Nov 2017	2013363174	PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -BR- PCT	Brazil	PCT Application	16 Dec 2013	1120150137172			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -CA- PCT	Canada	PCT Application	16 Dec 2013	2893950			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -CL- PCT	Chile	PCT Application	16 Dec 2013	1666-2015			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -CN- PCT	China	PCT Application	16 Dec 2013	201380065899.9	22 Jun 2018	201380065899.9	PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	16 Dec 2013	13817801.7			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -ID-PCT	Indonesia	PCT Application	16 Dec 2013	P00201503730			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -IN-PCT	India	PCT Application	16 Dec 2013	4580/DELNP/2015			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -JP-PCT	Japan	PCT Application	16 Dec 2013	2015-549524	24 Aug 2018	6389470	PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828 -KR- PCT	South Korea / Republic of Korea	PCT Application	16 Dec 2013	2015-7016123			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5828-MX-PCT	Mexico	PCT Application	16 Dec 2013	MX/a/2015/007768			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828-MY-PCT	Malaysia	PCT Application	16 Dec 2013	PI2015001373			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828-NZ-PCT	New Zealand	PCT Application	16 Dec 2013	708491			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828-PH-PCT	Philippines	PCT Application	16 Dec 2013	1-2015-501406			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828-SG-PCT	Singapore	PCT Application	16 Dec 2013	11201504397W	25 Apr 2017	11201504397W	PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828-TH-PCT	Thailand	PCT Application	16 Dec 2013	1501003221			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828-US-CNT[2]	United States Of America	Continuation	14 Jun 2018	16/008153			PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5828-US-NP	United States Of America	National Patent	16 Dec 2013	14/107067	22 Sep 2015	9139718	PREPARATION OF POLY ALPHA-1,3-GLUCAN ETHERS
CL5838-AU-PCT	Australia	PCT Application	15 Dec 2014	2014366222			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-BR-PCT	Brazil	PCT Application	15 Dec 2014	1120160136845			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-CA-PCT	Canada	PCT Application	15 Dec 2014	2932498			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-CN-PCT	China	PCT Application	15 Dec 2014	201480075648.3			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Dec 2014	14822009.8			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-IN-PCT	India	PCT Application	15 Dec 2014	201617017941			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-JP-PCT	Japan	PCT Application	15 Dec 2014	2016-539973			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-KR-PCT	South Korea / Republic of Korea	PCT Application	15 Dec 2014	10-2016-7018848			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5838-MX-PCT	Mexico	PCT Application	15 Dec 2014	MX/a/2016/007759			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-TH-PCT	Thailand	PCT Application	15 Dec 2014	1601003281			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-US-CNT	United States Of America	Continuation	13 Jun 2018	16/007287			USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5838-US-PCT	United States Of America	PCT Application	15 Dec 2014	15/103664	26 Jun 2018	10005850	USE OF POLY ALPHA-1,3-GLUCAN ETHERS AS VISCOSITY MODIFIERS
CL5841-US-DIV	United States Of America	National Patent Divisional	22 Sep 2015	14/861366	07 Jun 2016	9359626	GLUCOSYLTRANSFERASE ENZYMES
CL5841-US-DIV[2]	United States Of America	National Patent Divisional	03 Jun 2016	15/172625	28 Mar 2017	9605292	GLUCOSYLTRANSFERASE ENZYMES
CL5841-US-NP	United States Of America	National Patent	04 Sep 2014	14/476790	27 Oct 2015	9169506	PROCESS FOR PRODUCING ALPHA-1,3-GLUCAN POLYMER WITH REDUCED MOLECULAR WEIGHT
CL5964-AU-PCT	Australia	PCT Application	17 Dec 2014	2014364772			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-BR-PCT	Brazil	PCT Application	17 Dec 2014	1120160140141			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-CA-PCT	Canada	PCT Application	17 Dec 2014	2932501			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-CN-PCT	China	PCT Application	18 Aug 2016	201480075832.8			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-EP-EPT	European Procedure (Patents)	Euro-PCT Application	17 Dec 2014	14824697.8			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-IN-PCT	India	PCT Application	17 Dec 2014	201617018550			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-JP-PCT	Japan	PCT Application	17 Dec 2014	2016-541091			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-KR-PCT	South Korea / Republic of Korea	PCT Application	17 Dec 2014	10-2016-7019224			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964-MX-PCT	Mexico	PCT Application	17 Dec 2014	MX/a/2016/007920			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5964 -TH- PCT	Thailand	PCT Application	17 Dec 2014	1601003282			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964 -US- CNT	United States Of America	Continuation	05 Apr 2018	15/945819			CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5964 -US- PCT	United States Of America	PCT Application	17 Dec 2014	15/103682	01 May 2018	9957334	CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS
CL5965 -BR- PCT	Brazil	PCT Application	09 Mar 2015	1120160206916			OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -CA- PCT	Canada	PCT Application	09 Mar 2015	2937830			OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -CN- PCT	China	PCT Application	09 Mar 2015	201580013011.6			OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	09 Mar 2015	15710089.2			OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -IN-PCT	India	PCT Application	09 Mar 2015	201617025609			OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -JP-PCT	Japan	PCT Application	09 Mar 2015	2016-556757			OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -MX- PCT	Mexico	PCT Application	09 Mar 2015	MX/a/2016/011467			OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -US- CNT	United States Of America	Continuation	01 Jun 2017	15/611081	11 Sep 2018	10072100	OXIDIZED POLY ALPHA-1,3-GLUCAN
CL5965 -US-NP	United States Of America	National Patent	09 Mar 2015	14/641567	04 Jul 2017	9695253	OXIDIZED POLY ALPHA-1,3-GLUCAN
CL6007 -US-NP	United States Of America	National Patent	22 May 2018	15/985831			IMPROVED ENZYMATIC PRODUCTION OF ALPHA-1,3-GLUCAN
CL6007 -WO- PCT	International Procedure	PCT Application	22 May 2018	PCT/US18/33854			IMPROVED ENZYMATIC PRODUCTION OF ALPHA-1,3-GLUCAN
CL6036 -US- PCT	United States Of America	PCT Application	22 May 2015	15/313347			ENZYMATIC SYNTHESIS OF SOLUBLE GLUCAN FIBER
CL6105 -AU- PCT	Australia	PCT Application	05 Jan 2015	2015204026			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FILMS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6105 -CN- PCT	China	PCT Application	05 Jan 2015	201580012011.4			PRODUCTION OF POLY ALPHA- 1,3-GLUCAN FILMS
CL6105 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	05 Jan 2015	15705107.9			PRODUCTION OF POLY ALPHA- 1,3-GLUCAN FILMS
CL6105 -JP-PCT	Japan	PCT Application	05 Jan 2015	2016-562471			PRODUCTION OF POLY ALPHA- 1,3-GLUCAN FILMS
CL6105 -KR- PCT	South Korea / Republic of Korea	PCT Application	05 Jan 2015	10-2016-7018140			PRODUCTION OF POLY ALPHA- 1,3-GLUCAN FILMS
CL6105 -US-NP	United States Of America	National Patent	05 Jan 2015	14/589165	28 Aug 2018	10059778	PRODUCTION OF POLY ALPHA- 1,3-GLUCAN FILMS
CL6115 -AU- PCT	Australia	PCT Application	26 Feb 2015	2015223027			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -BR- PCT	Brazil	PCT Application	26 Feb 2015	112016019820-4			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -CA- PCT	Canada	PCT Application	26 Feb 2015	2940778			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -CN- PCT	China	PCT Application	26 Feb 2015	201580010439.5			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	26 Feb 2015	15709031.7			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -IN-PCT	India	PCT Application	26 Feb 2015	201617025612			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6115 -JP-PCT	Japan	PCT Application	26 Feb 2015	2016-554480			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -TH-PCT	Thailand	PCT Application	26 Feb 2015	1601004858			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -US-CNT	United States Of America	Continuation	10 May 2018	15/976246			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6115 -US-NP	United States Of America	National Patent	26 Feb 2015	14/631931	29 May 2018	9982284	ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6159 -US-NP	United States Of America	National Patent	11 Sep 2018	16/127288			ENGINEERED GLUCOSYLTRANSFERASES
CL6159 -WO-PCT	International Procedure	PCT Application	11 Sep 2018	PCT/US18/50345			ENGINEERED GLUCOSYLTRANSFERASES
CL6186 -AT-EPT	Austria	Euro-PCT Application	15 Jan 2015	15705118.6	03 Oct 2018	3094672	PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6186 -AU-PCT	Australia	PCT Application	15 Jan 2015	2015206504			PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6186 -CN-PCT	China	PCT Application	15 Jan 2015	201580004569.8			PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6186 -DE-EPT	Germany	Euro-PCT Application	15 Jan 2015	15705118.6	03 Oct 2018	3094672	PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6186 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Jan 2015	15705118.6	03 Oct 2018	3094672	PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6186 -FR-EPT	France	Euro-PCT Application	15 Jan 2015	15705118.6	03 Oct 2018	3094672	PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6186 -GB-EPT	United Kingdom	Euro-PCT Application	15 Jan 2015	15705118.6	03 Oct 2018	3094672	PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6186 -JP-PCT	Japan	PCT Application	15 Jan 2015	2016-547003			PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6186 -KR- PCT	South Korea / Republic of Korea	PCT Application	15 Jan 2015	10-2016-7019021			PRODUCTION OF CROSS-LINKED POLY ALPHA-1,3-GLUCAN FILMS
CL6187 -US- PCT	United States Of America	PCT Application	15 Jan 2015	15/110272	23 Oct 2018	10106626	PRODUCTION OF POLY ALPHA-1,3-GLUCAN FORMATE FILMS
CL6188 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	16 Jan 2015	15701662.7			PRODUCTION OF GELLED NETWORKS OF POLY ALPHA-1,3-GLUCAN FORMATE AND FILMS THEREFROM
CL6188 -KR- PCT	South Korea / Republic of Korea	PCT Application	16 Jan 2015	10-2016-7018851			PRODUCTION OF GELLED NETWORKS OF POLY ALPHA-1,3-GLUCAN FORMATE AND FILMS THEREFROM
CL6191 -CN- PCT	China	PCT Application	11 Feb 2015	201580008456.5			POLYSACCHARIDES FOR VISCOSITY MODIFICATION
CL6191 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	11 Feb 2015	15709380.8			POLYSACCHARIDES FOR VISCOSITY MODIFICATION
CL6201 -CN- PCT	China	PCT Application	11 Feb 2015	201580008474.3			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL6201 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	11 Feb 2015	15705889.2			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL6201 -US- CNT	United States Of America	Continuation	23 Mar 2018	15/933534			GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL6201 -US-NP	United States Of America	National Patent	11 Feb 2015	14/619193	27 Mar 2018	9926541	GLUCOSYLTRANSFERASE ENZYMES FOR PRODUCTION OF GLUCAN POLYMERS
CL6220 -AU- PCT	Australia	PCT Application	26 Feb 2015	2015223025			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -BR- PCT	Brazil	PCT Application	26 Feb 2015	1120160198239			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -CA- PCT	Canada	PCT Application	26 Feb 2015	2938144			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6220 -CN- PCT	China	PCT Application	26 Feb 2015	201580010441.2			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	26 Feb 2015	15713257.2			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -IN-PCT	India	PCT Application	26 Feb 2015	201617025699			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -JP-PCT	Japan	PCT Application	26 Feb 2015	2016-554321			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -TH- PCT	Thailand	PCT Application	26 Feb 2015	1601004856			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -US- CNT	United States Of America	Continuation	24 May 2018	15/988349			ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6220 -US-NP	United States Of America	National Patent	26 Feb 2015	14/631962	05 Jun 2018	9988657	ENZYMATIC HYDROLYSIS OF DISACCHARIDES AND OLIGOSACCHARIDES USING ALPHA-GLUCOSIDASE ENZYMES
CL6221 -AT- EPT	Austria	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	3122887	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221 -AU- PCT	Australia	PCT Application	24 Mar 2015	2015236336	18 Oct 2018	2015236336	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221 -BR- PCT	Brazil	PCT Application	24 Mar 2015	1120160219090			PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221 -CA- PCT	Canada	PCT Application	24 Mar 2015	2938128			PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221 -CN- PCT	China	PCT Application	24 Mar 2015	201580015914.8			PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6221-DE-EPT	Germany	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	602015011856.1	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-EP-EPT	European Procedure (Patents)	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	3122887	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-FI-EPT	Finland	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	3122887	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-FR-EPT	France	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	3122887	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-GB-EPT	United Kingdom	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	3122887	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-IN-PCT	India	PCT Application	24 Mar 2015	201617026234			PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-JP-PCT	Japan	PCT Application	24 Mar 2015	2016-558792			PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-NL-EPT	Netherlands	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	3122887	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-PL-EPT	Poland	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	3122887	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-TR-EPT	Turkey	Euro-PCT Application	24 Mar 2015	15714152.4	06 Jun 2018	2018/12484	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-US-DIV	United States Of America	National Patent Divisional	30 Jun 2017	15/638703	02 Oct 2018	10087479	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6221-US-NP	United States Of America	National Patent	24 Mar 2015	14/666443	01 Aug 2017	9719121	PRODUCTION OF GLUCAN POLYMERS FROM ALTERNATE SUCROSE SOURCES
CL6223-EP-EPT	European Procedure (Patents)	Euro-PCT Application	17 Jun 2015	15739050.1			COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6223-US-CNT	United States Of America	Continuation	17 Aug 2017	15/679361			COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6223-US-CNT[2]	United States Of America	Continuation	15 Jan 2019	16/247750			COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6223 -US-NP	United States Of America	National Patent	17 Jun 2015	14/741769	26 Sep 2017	9771548	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6241 -CN-PCT	China	PCT Application	25 Jun 2015	201580034360.6			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FOOD CASINGS
CL6241 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	25 Jun 2015	15734787.3			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FOOD CASINGS
CL6241 -JP-PCT	Japan	PCT Application	25 Jun 2015	2016-574930			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FOOD CASINGS
CL6241 -US-PCT	United States Of America	PCT Application	25 Jun 2015	15/320566			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FOOD CASINGS
CL6244 -CH-EPT	Switzerland	Euro-PCT Application	18 Jun 2015	15733057.2	03 Oct 2018	3157640	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6244 -DE-EPT	Germany	Euro-PCT Application	18 Jun 2015	15733057.2	03 Oct 2018	3157640	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6244 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Jun 2015	15733057.2	03 Oct 2018	3157640	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6244 -ES-EPT	Spain	Euro-PCT Application	18 Jun 2015	15733057.2	03 Oct 2018	3157640	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6244 -FR-EPT	France	Euro-PCT Application	18 Jun 2015	15733057.2	03 Oct 2018	3157640	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6244 -GB-EPT	United Kingdom	Euro-PCT Application	18 Jun 2015	15733057.2	03 Oct 2018	3157640	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6244 -IT-EPT	Italy	Euro-PCT Application	18 Jun 2015	15733057.2	03 Oct 2018	3157640	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6244 -US-CNT	United States Of America	Continuation	30 Jun 2017	15/638808			COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6244 -US-NP	United States Of America	National Patent	17 Jun 2015	14/741813	25 Jul 2017	9714403	COMPOSITIONS CONTAINING ONE OR MORE POLY ALPHA-1,3-GLUCAN ETHER COMPOUNDS
CL6259 -CN-PCT	China	PCT Application	25 Jun 2015	201580044890.9			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FILMS
CL6259 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	25 Jun 2015	15745605.4			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FILMS
CL6259 -JP-PCT	Japan	PCT Application	25 Jun 2015	2016-574910			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FILMS
CL6259 -US-PCT	United States Of America	PCT Application	25 Jun 2015	15/320582			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FILMS
CL6267 -US-PCT	United States Of America	PCT Application	25 Jun 2015	15/320864			PRODUCTION OF POLY ALPHA-1,3-GLUCAN FORMATE FILMS
CL6276 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	07 Nov 2016	16809567.7			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6276 -JP-PCT	Japan	PCT Application	07 Nov 2016	2018-524355			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6276 -US-PCT	United States Of America	PCT Application	07 Nov 2016	15/765538			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6277 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	07 Nov 2016	16797703.2			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6277 -JP-PCT	Japan	PCT Application	07 Nov 2016	2018-524494			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6277 -US-PCT	United States Of America	PCT Application	07 Nov 2016	15/765545			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6278 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	07 Nov 2016	16804958.3			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6278 -JP-PCT	Japan	PCT Application	07 Nov 2016	2018-524354			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6278 -US-PCT	United States Of America	PCT Application	07 Nov 2016	15/765558			GLUCAN FIBER COMPOSITIONS FOR USE IN LAUNDRY CARE AND FABRIC CARE
CL6286 -US-NP	United States Of America	National Patent	09 Oct 2014	14/510149	08 Aug 2017	9725363	LIGNOCELLULOSE BIOMASS FERMENTATION PROCESS CO-PRODUCT FUEL FOR CEMENT KILN
CL6291 -CN-PCT	China	PCT Application	25 Jun 2015	201580034784.2			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTER FILMS
CL6291 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	25 Jun 2015	15741410.3			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTER FILMS
CL6291 -JP-PCT	Japan	PCT Application	25 Jun 2015	2016-574931			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTER FILMS
CL6291 -US-PCT	United States Of America	PCT Application	25 Jun 2015	15/320878			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTER FILMS
CL6294 -AU-PCT	Australia	PCT Application	05 Nov 2015	2015342990			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -BR-PCT	Brazil	PCT Application	05 Nov 2015	1120170089769			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -CA-PCT	Canada	PCT Application	05 Nov 2015	2964165			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -CN-PCT	China	PCT Application	05 Nov 2015	201580060302.0			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	05 Nov 2015	15798600.1			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -IN-PCT	India	PCT Application	05 Nov 2015	201717012741			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -JP-PCT	Japan	PCT Application	05 Nov 2015	2017-543312			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -MX-PCT	Mexico	PCT Application	05 Nov 2015	MX/a/17/005784			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6294 -US- CNT	United States Of America	Continuation	24 Aug 2018	16/111514			ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6294 -US-NP	United States Of America	National Patent	05 Nov 2015	14/933128	28 Aug 2018	10059779	ENZYMATICALLY POLYMERIZED GELLING DEXTRANS
CL6319 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	11 Dec 2015	15823237.1			POLYSACCHARIDE COMPOSITIONS FOR ABSORBING AQUEOUS LIQUID
CL6319 -US- CNT	United States Of America	Continuation	13 Apr 2018	15/952401			POLYSACCHARIDE COMPOSITIONS FOR ABSORBING AQUEOUS LIQUID
CL6319 -US-NP	United States Of America	National Patent	11 Dec 2015	14/965961	15 May 2018	9968910	POLYSACCHARIDE COMPOSITIONS FOR ABSORBING AQUEOUS LIQUID
CL6322 -AU- PCT	Australia	PCT Application	02 Feb 2016	2016215488			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -BR- PCT	Brazil	PCT Application	02 Feb 2016	1120170124815			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -CA- PCT	Canada	PCT Application	02 Feb 2016	2970175			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -CN- PCT	China	PCT Application	02 Feb 2016	201680008600.X			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	02 Feb 2016	16705005.3			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -IN-PCT	India	PCT Application	02 Feb 2016	201717020005			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -JP-PCT	Japan	PCT Application	02 Feb 2016	2017-541300			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -KR- PCT	South Korea / Republic of Korea	PCT Application	02 Feb 2016	10-2017-7021623			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6322 -TH- PCT	Thailand	PCT Application	02 Feb 2016	1701003943			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6322 -US- PCT	United States Of America	PCT Application	02 Feb 2016	15/548916			COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN BASED POLYMERS
CL6340 -US-NP	United States Of America	National Patent	02 Feb 2016	15/013279	09 May 2017	9644322	SOLID ARTICLES FROM POLY ALPHA-1,3-GLUCAN AND WOOD PULP
CL6359 -AU- PCT	Australia	PCT Application	23 Jun 2016	2016285548			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6359 -BR- PCT	Brazil	PCT Application	23 Jun 2016	1120170281678			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6359 -CN- PCT	China	PCT Application	23 Jun 2016	201680038871.X			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6359 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	23 Jun 2016	16734840.8			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6359 -IN-PCT	India	PCT Application	23 Jun 2016	201717043846			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6359 -JP-PCT	Japan	PCT Application	23 Jun 2016	2017-567776			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6359 -KR- PCT	South Korea / Republic of Korea	PCT Application	23 Jun 2016	10-2018-7002384			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6359 -US- PCT	United States Of America	PCT Application	23 Jun 2016	15/578434			PREPARATION OF POLY ALPHA-1,3-GLUCAN ESTERS USING CYCLIC ORGANIC ANHYDRIDES
CL6374 -WO- PCT	International Procedure	PCT Application	13 Feb 2018	PCT/US18/17907			CROSSLINKED DEXTRAN-POLY ALPHA-1,3-GLUCAN GRAFT COPOLYMERS
CL6391 -AU- PCT	Australia	PCT Application	17 Dec 2015	2015369929			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3-GLUCAN
CL6391 -BR- PCT	Brazil	PCT Application	17 Dec 2015	1120170133687			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3-GLUCAN

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6391 -CN- PCT	China	PCT Application	17 Dec 2015	201580070135.8			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3- GLUCAN
CL6391 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	17 Dec 2015	15821229.0			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3- GLUCAN
CL6391 -IN-PCT	India	PCT Application	17 Dec 2015	201717012269			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3- GLUCAN
CL6391 -JP-PCT	Japan	PCT Application	17 Dec 2015	2017-551573			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3- GLUCAN
CL6391 -KR- PCT	South Korea / Republic of Korea	PCT Application	17 Dec 2015	10-2017-7016573			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3- GLUCAN
CL6391 -TH- PCT	Thailand	PCT Application	17 Dec 2015	1701002662			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3- GLUCAN
CL6391 -US- PCT	United States Of America	PCT Application	17 Dec 2015	15/533414			POLYMERIC BLEND CONTAINING POLY ALPHA-1,3- GLUCAN
CL6392 -AU- PCT[2]	Australia	PCT Application	15 Dec 2015	2015369967			ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -CA- PCT[2]	Canada	PCT Application	15 Dec 2015	2969242			ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -CN- PCT[2]	China	PCT Application	15 Dec 2015	201580070420.X			ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -DE- EPT[2]	Germany	Euro-PCT Application	15 Dec 2015	15820010.5	24 Oct 2018	3237632	ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -EP- EPT[2]	European Procedure (Patents)	Euro-PCT Application	15 Dec 2015	15820010.5	24 Oct 2018	3237632	ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -FR- EPT[2]	France	Euro-PCT Application	15 Dec 2015	15820010.5	24 Oct 2018	3237632	ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -GB- EPT[2]	United Kingdom	Euro-PCT Application	15 Dec 2015	15820010.5	24 Oct 2018	3237632	ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -JP- PCT[2]	Japan	PCT Application	15 Dec 2015	2017-533766			ENZYMATICALLY PRODUCED CELLULOSE
CL6392 -US- PCD[2]	United States Of America	PCT Application Divisional	15 Nov 2018	16/191483			ENZYMATICALLY PRODUCED CELLULOSE

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6392 -US- PCT[2]	United States Of America	PCT Application	15 Dec 2015	15/532550	20 Nov 2018	10131929	ENZYMATICALLY PRODUCED CELLULOSE
CL6395 -US-NP	United States Of America	National Patent	13 Sep 2017	15/702893			ENGINEERED GLUCOSYLTRANSFERASES
CL6395 -WO- PCT	International Procedure	PCT Application	13 Sep 2017	PCT/US17/51279			ENGINEERED GLUCOSYLTRANSFERASES
CL6399 -AU- PCT[2]	Australia	PCT Application	15 Dec 2015	2015369965			ENZYMATICALLY PRODUCED CELLULOSE
CL6399 -CA- PCT[2]	Canada	PCT Application	15 Dec 2015	2969241			ENZYMATICALLY PRODUCED CELLULOSE
CL6399 -CN- PCT[2]	China	PCT Application	15 Dec 2015	201580070778.2			ENZYMATICALLY PRODUCED CELLULOSE
CL6399 -EP- EPT[2]	European Procedure (Patents)	Euro-PCT Application	15 Dec 2015	15820007.1			ENZYMATICALLY PRODUCED CELLULOSE
CL6399 -JP- PCT[2]	Japan	PCT Application	15 Dec 2015	2017-533754			ENZYMATICALLY PRODUCED CELLULOSE
CL6399 -US- PCT[2]	United States Of America	PCT Application	15 Dec 2015	15/532635			ENZYMATICALLY PRODUCED CELLULOSE
CL6413 -AU- PCT	Australia	PCT Application	19 May 2016	2016270307			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -BR- PCT	Brazil	PCT Application	19 May 2016	1120170258080			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -CA- PCT	Canada	PCT Application	19 May 2016	2985685			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -CN- PCT	China	PCT Application	19 May 2016	201680032183.2			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6413 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	19 May 2016	16727267.3			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -IN-PCT	India	PCT Application	19 May 2016	201717039526			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -JP-PCT	Japan	PCT Application	19 May 2016	2017-562351			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -KR- PCT	South Korea / Republic of Korea	PCT Application	19 May 2016	10-2017-7036975			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -TH- PCT	Thailand	PCT Application	19 May 2016	1701007066			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6413 -US- PCT	United States Of America	PCT Application	19 May 2016	15/572257			POLY ALPHA-1,3-GLUCAN FIBRIDS AND USES THEREOF AND PROCESSES TO MAKE POLY ALPHA-1,3-GLUCAN FIBRIDS
CL6422 -AU- PCT	Australia	PCT Application	28 Mar 2016	2016243410			OXIDIZED DEXTRAN
CL6422 -CA- PCT	Canada	PCT Application	28 Mar 2016	2975280			OXIDIZED DEXTRAN
CL6422 -CN- PCT	China	PCT Application	28 Mar 2016	201680019066.2			OXIDIZED DEXTRAN
CL6422 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	28 Mar 2016	16726214.6			OXIDIZED DEXTRAN
CL6422 -JP-PCT	Japan	PCT Application	28 Mar 2016	2017-551695			OXIDIZED DEXTRAN
CL6422 -US- PCT	United States Of America	PCT Application	28 Mar 2016	15/550883			OXIDIZED DEXTRAN
CL6423 -AU- PCT	Australia	PCT Application	28 Mar 2016	2016243411			GELLING DEXTRAN ETHERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6423 -CA- PCT	Canada	PCT Application	28 Mar 2016	2975289			GELLING DEXTRAN ETHERS
CL6423 -CN- PCT	China	PCT Application	28 Mar 2016	201680019036.1			GELLING DEXTRAN ETHERS
CL6423 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	28 Mar 2016	16758306.1			GELLING DEXTRAN ETHERS
CL6423 -JP-PCT	Japan	PCT Application	28 Mar 2016	2017-551693			GELLING DEXTRAN ETHERS
CL6423 -US- PCT	United States Of America	PCT Application	28 Mar 2016	15/550833			GELLING DEXTRAN ETHERS
CL6452 -AU- PCT	Australia	PCT Application	15 Jun 2016	2016280700			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3- GLUCAN
CL6452 -BR- PCT	Brazil	PCT Application	15 Jun 2016	1120170270900			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3- GLUCAN
CL6452 -CA- PCT	Canada	PCT Application	15 Jun 2016	2989337			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3- GLUCAN
CL6452 -CN- PCT	China	PCT Application	15 Jun 2016	201680047380.1			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3- GLUCAN
CL6452 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	15 Jun 2016	16731767.6			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3- GLUCAN
CL6452 -IN-PCT	India	PCT Application	15 Jun 2016	201717046294			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3- GLUCAN
CL6452 -JP-PCT	Japan	PCT Application	15 Jun 2016	2017-565150			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3- GLUCAN

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6452 -TH- PCT	Thailand	PCT Application	15 Jun 2016	1701007468			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3-GLUCAN
CL6452 -US- CNT	United States Of America	Continuation	14 Nov 2018	16/190231			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3-GLUCAN
CL6452 -US-NP	United States Of America	National Patent	15 Jun 2016	15/182747			GLUCOSYLTRANSFERASE AMINO ACID MOTIFS FOR ENZYMATIC PRODUCTION OF LINEAR POLY ALPHA-1,3-GLUCAN
CL6456 -AU- PCT	Australia	PCT Application	14 Dec 2016	2016371897			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -BR- PCT	Brazil	PCT Application	14 Dec 2016	1120180118010			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -CA- PCT	Canada	PCT Application	14 Dec 2016	3006987			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -CN- PCT	China	PCT Application	14 Dec 2016	201680079025.2			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	14 Dec 2016	16822332.9			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -IN-PCT	India	PCT Application	14 Dec 2016	201817019517			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -JP-PCT	Japan	PCT Application	14 Dec 2016	2018-549422			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -TH- PCT	Thailand	PCT Application	14 Dec 2016	1801003478			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6456 -US-NP	United States Of America	National Patent	14 Dec 2015	14/967659			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6461 -CN- PCT	China	PCT Application	19 May 2016	201680032162.0			STRUCTURED LIQUID COMPOSITIONS COMPRISING COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6461 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	19 May 2016	16727053.7			STRUCTURED LIQUID COMPOSITIONS COMPRISING COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN
CL6461 -US- PCT	United States Of America	PCT Application	19 May 2016	15/572223			STRUCTURED LIQUID COMPOSITIONS COMPRISING COLLOIDAL DISPERSIONS OF POLY ALPHA-1,3-GLUCAN
CL6467 -CN- PCT	China	PCT Application	20 Jul 2016	201680055065.3			HIGH LEVEL PRODUCTION OF LONG-CHAIN DICARBOXYLIC ACIDS WITH YEAST
CL6467 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	20 Jul 2016	16747664.7			HIGH LEVEL PRODUCTION OF LONG-CHAIN DICARBOXYLIC ACIDS WITH YEAST
CL6467 -JP-PCT	Japan	PCT Application	20 Jul 2016	2018-502751			HIGH LEVEL PRODUCTION OF LONG-CHAIN DICARBOXYLIC ACIDS WITH YEAST
CL6467 -MY- PCT	Malaysia	PCT Application	20 Jul 2016	PI2018700157			HIGH LEVEL PRODUCTION OF LONG-CHAIN DICARBOXYLIC ACIDS WITH YEAST
CL6467 -US- PCT	United States Of America	PCT Application	20 Jul 2016	15/746094			HIGH LEVEL PRODUCTION OF LONG-CHAIN DICARBOXYLIC ACIDS WITH YEAST
CL6480 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	15 Jun 2016	16734785.5			MODIFIED GLUCOSYLTRANSFERASES FOR PRODUCING BRANCHED ALPHA-GLUCAN POLYMERS
CL6480 -US- CNT	United States Of America	Continuation	18 Apr 2018	15/955923			MODIFIED GLUCOSYLTRANSFERASES FOR PRODUCING BRANCHED ALPHA-GLUCAN POLYMERS
CL6480 -US-NP	United States Of America	National Patent	15 Jun 2016	15/182778	05 Jun 2018	9988610	MODIFIED GLUCOSYLTRANSFERASES FOR PRODUCING BRANCHED ALPHA-GLUCAN POLYMERS
CL6487 -CN- PCT	China	PCT Application	29 Aug 2016	201680049723.8			BENZYL ALPHA-(1->3)- GLUCAN AND FIBERS THEREOF
CL6487 -BP- EPT	European Procedure (Patents)	Euro-PCT Application	29 Aug 2016	16760889.2			BENZYL ALPHA-(1->3)- GLUCAN AND FIBERS THEREOF
CL6487 -US- PCT	United States Of America	PCT Application	29 Aug 2016	15/751530			BENZYL ALPHA-(1->3)- GLUCAN AND FIBERS THEREOF
CL6500 -AU- PCT	Australia	PCT Application	04 Nov 2016	2016348441			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6500 -BR- PCT	Brazil	PCT Application	04 Nov 2016	1120180079820			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6500 -CA- PCT	Canada	PCT Application	04 Nov 2016	3003078			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6500 -CN- PCT	China	PCT Application	04 Nov 2016	201680064555.X			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6500 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	04 Nov 2016	16805239.7			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6500 -IN-PCT	India	PCT Application	04 Nov 2016	201817012869			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6500 -JP-PCT	Japan	PCT Application	04 Nov 2016	2018-543063			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6500 -TH- PCT	Thailand	PCT Application	04 Nov 2016	1801002655			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6500 -US- PCT	United States Of America	PCT Application	04 Nov 2016	15/765522			DEXTRAN-POLY ALPHA-1,3- GLUCAN GRAFT COPOLYMERS AND SYNTHESIS METHODS THEREOF
CL6515 -AU- PCT	Australia	PCT Application	24 Oct 2016	2016347044			POLYSACCHARIDES COATINGS FOR PAPER
CL6515 -CA- PCT	Canada	PCT Application	24 Oct 2016	2997563			POLYSACCHARIDES COATINGS FOR PAPER
CL6515 -CN- PCT	China	PCT Application	24 Oct 2016	201680062848.4			POLYSACCHARIDES COATINGS FOR PAPER
CL6515 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	24 Oct 2016	16798023.4			POLYSACCHARIDES COATINGS FOR PAPER
CL6515 -JP-PCT	Japan	PCT Application	24 Oct 2016	2018-541094			POLYSACCHARIDES COATINGS FOR PAPER
CL6515 -KR- PCT	South Korea / Republic of Korea	PCT Application	24 Oct 2016	10-2018-7011938			POLYSACCHARIDES COATINGS FOR PAPER

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6515 -RU- PCT	Russian Federation	PCT Application	24 Oct 2016	2018115392			POLYSACCHARIDES COATINGS FOR PAPER
CL6515 -US- PCT	United States Of America	PCT Application	24 Oct 2016	15/756659			POLYSACCHARIDES COATINGS FOR PAPER
CL6521 -AU- PCT	Australia	PCT Application	24 Oct 2016	2016347048			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6521 -CA- PCT	Canada	PCT Application	24 Oct 2016	2998773			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6521 -CN- PCT	China	PCT Application	24 Oct 2016	201680062791.8			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6521 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	24 Oct 2016	16788394.1			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6521 -JP-PCT	Japan	PCT Application	24 Oct 2016	2018-541095			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6521 -KR- PCT	South Korea / Republic of Korea	PCT Application	24 Oct 2016	10-2018-7014311			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6521 -RU- PCT	Russian Federation	PCT Application	24 Oct 2016	2018119291			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6521 -US- PCT	United States Of America	PCT Application	24 Oct 2016	15/756681			WATER INSOLUBLE ALPHA-(1,3-GLUCAN) COMPOSITION
CL6535 -WO- PCT	International Procedure	PCT Application	20 Jul 2017	PCT/US17/42990			POLYURETHANE POLYMERS
CL6536 -AU- PCT	Australia	PCT Application	08 Nov 2016	2016351634			NONWOVEN GLUCAN WEBS
CL6536 -BR- PCT	Brazil	PCT Application	08 Nov 2016	1120180039721			NONWOVEN GLUCAN WEBS
CL6536 -CN- PCT	China	PCT Application	08 Nov 2016	201680064919.4			NONWOVEN GLUCAN WEBS
CL6536 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	08 Nov 2016	16805608.3			NONWOVEN GLUCAN WEBS
CL6536 -IN-PCT	India	PCT Application	08 Nov 2016	201817007315			NONWOVEN GLUCAN WEBS
CL6536 -JP-PCT	Japan	PCT Application	08 Nov 2016	2018-543284			NONWOVEN GLUCAN WEBS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6536-TH-PCT	Thailand	PCT Application	08 Nov 2016	1801002742			NONWOVEN GLUCAN WEBS
CL6536-US-PCT	United States Of America	PCT Application	08 Nov 2016	15/763965			NONWOVEN GLUCAN WEBS
CL6550-AU-PCT[3]	Australia	PCT Application	22 Nov 2016	2016359483			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550-BR-PCT[3]	Brazil	PCT Application	22 Nov 2016	1120180106836			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550-CA-PCT[3]	Canada	PCT Application	22 Nov 2016	3002666			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550-CN-PCT[3]	China	PCT Application	22 Nov 2016	201680069006.1			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550-BP-EPT[3]	European Procedure (Patents)	Euro-PCT Application	22 Nov 2016	16816788.0			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550-IN-PCT[3]	India	PCT Application	22 Nov 2016	201817018833			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550-JP-PCT[3]	Japan	PCT Application	22 Nov 2016	2018-527120			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550-MX-PCT[3]	Mexico	PCT Application	22 Nov 2016	MX/a/18/006273			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6550 -TH- PCT[3]	Thailand	PCT Application	22 Nov 2016	1801003063			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6550 -US- PCT[3]	United States Of America	PCT Application	22 Nov 2016	15/767689			POLYPEPTIDES CAPABLE OF PRODUCING GLUCANS HAVING ALPHA (1-->2) LINKAGES AND USE OF THE SAME
CL6553 -US-NP	United States Of America	National Patent	09 Dec 2016	15/373547			NONWOVEN GLUCAN WEBS
CL6572 -WO- PCT	Internationa l Procedure	PCT Application	25 Oct 2017	PCT/US17/58278			RUBBER COMPOSITIONS COMPRISING POLYSACCHARIDES
CL6574 -WO- PCT	Internationa l Procedure	PCT Application	14 Dec 2017	PCT/US17/66395			AMPHIPHILIC POLYSACCHARIDE DERIVATIVES AND COMPOSITIONS COMPRISING SAME
CL6581 -AU- PCT	Australia	PCT Application	12 Jun 2017	2017286522			DETERGENT COMPOSITIONS
CL6581 -BR- PCT	Brazil	PCT Application	12 Jun 2017	PCT/US17/36973			DETERGENT COMPOSITIONS
CL6581 -CN- PCT	China	PCT Application	12 Jun 2017	PCT/US17/36973			DETERGENT COMPOSITIONS
CL6581 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	12 Jun 2017	PCT/US17/36973			DETERGENT COMPOSITIONS
CL6581 -IN-PCT	India	PCT Application	12 Jun 2017	201817039424			DETERGENT COMPOSITIONS
CL6581 -JP-PCT	Japan	PCT Application	12 Jun 2017	PCT/US17/36973			DETERGENT COMPOSITIONS
CL6581 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Jun 2017	PCT/US17/36973			DETERGENT COMPOSITIONS
CL6581 -WO- PCT	Internationa l Procedure	PCT Application	12 Jun 2017	PCT/US17/36973			DETERGENT COMPOSITIONS
CL6582 -AU- PCT	Australia	PCT Application	12 Jun 2017	2017286524			DETERGENT COMPOSITIONS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6582 -BR- PCT	Brazil	PCT Application	12 Jun 2017	PCT/US17/36977			DETERGENT COMPOSITIONS
CL6582 -CN- PCT	China	PCT Application	12 Jun 2017	PCT/US17/36977			DETERGENT COMPOSITIONS
CL6582 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	12 Jun 2017	PCT/US17/36977			DETERGENT COMPOSITIONS
CL6582 -IN-PCT	India	PCT Application	12 Jun 2017	201817039396			DETERGENT COMPOSITIONS
CL6582 -JP-PCT	Japan	PCT Application	12 Jun 2017	PCT/US17/36977			DETERGENT COMPOSITIONS
CL6582 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Jun 2017	PCT/US17/36977			DETERGENT COMPOSITIONS
CL6582 -WO- PCT	International Procedure	PCT Application	12 Jun 2017	PCT/US17/36977			DETERGENT COMPOSITIONS
CL6584 -WO- PCT	International Procedure	PCT Application	14 Nov 2017	PCT/US17/61466			CELLULOSE/POLYSACCHARIDE COMPOSITES
CL6585 -WO- PCT	International Procedure	PCT Application	20 Nov 2017	PCT/US17/62515			IN SITU FUNCTIONALIZATION OF POLYSACCHARIDES AND COMPOSITIONS THEREOF
CL6586 -WO- PCT	International Procedure	PCT Application	20 Nov 2017	PCT/US17/62524			PROCESS FOR MAKING POLYACRYLONITRILE FIBERS
CL6587 -WO- PCT	International Procedure	PCT Application	24 Aug 2018	PCT/US18/47940			LATEX COMPOSITIONS COMPRISING POLYSACCHARIDES
CL6590 -WO- PCT	International Procedure	PCT Application	23 Jan 2018	PCT/US18/14832			PROCESSES FOR PRODUCING PRECIPITATED CALCIUM CARBONATE USING POLYSACCHARIDES
CL6591 -US-NP	United States Of America	National Patent	13 Dec 2018	16/218518			ALPHA-1,3-GLUCAN GRAFT COPOLYMERS
CL6591 -US- PSP	United States Of America	Provisional Application	14 Dec 2017	62/598685			ALPHA-1,3-GLUCAN GRAFT COPOLYMERS
CL6591 -US- PSP[2]	United States Of America	Provisional Application	20 Sep 2018	62/733729			ALPHA-1,3-GLUCAN GRAFT COPOLYMERS
CL6591 -WO- PCT	International Procedure	PCT Application	13 Dec 2018	PCT/US18/65355			ALPHA-1,3-GLUCAN GRAFT COPOLYMERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6593 -WO- PCT	International Procedure	PCT Application	14 Nov 2017	PCT/US17/61470			MOLDED ARTICLES COMPRISING POLYSACCHARIDES
CL6595 -US- PSP	United States Of America	Provisional Application	25 Oct 2018	62/750520			ALPHA-1,3-GLUCAN GRAFT COPOLYMERS
CL6602 -US- PSP	United States Of America	Provisional Application	28 Jun 2018	62/691066			FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602 -US- PSP[2]	United States Of America	Provisional Application	19 Oct 2018	62/747999			FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6603 -WO- PCT	International Procedure	PCT Application	24 Apr 2018	PCT/US18/29013			POLYSACCHARIDE COATINGS WITH OXYGEN BARRIER PROPERTIES
CL6604 -WO- PCT	International Procedure	PCT Application	11 Sep 2018	PCT/US18/50428			NONWOVEN WEBS COMPRISING POLYSACCHARIDES
CL6605 -WO- PCT	International Procedure	PCT Application	27 Jun 2018	PCT/US18/39702			POLYSACCHARIDE-BLASTOMER MASTERBATCH COMPOSITIONS
CL6607 -US- PSP	United States Of America	Provisional Application	09 Mar 2018	62/640708			ENGINEERED GLUCOSYLTRANSFERASES
CL6607 -US- PSP[2]	United States Of America	Provisional Application	15 Jan 2019	62/792449			ENGINEERED GLUCOSYLTRANSFERASES
CL6609 -US-NP	United States Of America	National Patent	12 Oct 2018	16/158327			FLOWABLE BULK GRANULAR POLYSACCHARIDE
CL6609 -US- PSP[2]	United States Of America	Provisional Application	31 Aug 2018	62/725532			FLOWABLE BULK GRANULAR POLYSACCHARIDE
CL6609 -WO- PCT	International Procedure	PCT Application	12 Oct 2018	PCT/US18/55573			FLOWABLE BULK GRANULAR POLYSACCHARIDE
CL6613 -US-NP	United States Of America	National Patent	11 Sep 2018	16/127293			ENGINEERED GLUCOSYLTRANSFERASES
CL6613 -WO- PCT	International Procedure	PCT Application	11 Sep 2018	PCT/US18/50354			ENGINEERED GLUCOSYLTRANSFERASES
CL6617 -US- PSP	United States Of America	Provisional Application	10 Nov 2017	62/584150			UNIQUE MORPHOLOGICAL POLYSACCHARIDE
CL6617 -WO- PCT	International Procedure	PCT Application	06 Nov 2018	PCT/US18/59354			UNIQUE MORPHOLOGICAL POLYSACCHARIDE

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6619-US-PSP	United States Of America	Provisional Application	20 Jun 2018	62/687310			POLYSACCHARIDE DERIVATIVES CONTAINING SULFATE, SULFONATE, OR THIOSULFATE GROUPS AND COMPOSITIONS COMPRISING SAME
CL6630-US-PSP	United States Of America	Provisional Application	12 Jan 2018	62/616552			YARN COMPRISING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS AND WOOL, AND CARPETS MADE THEREFROM
CL6643-US-PSP	United States Of America	Provisional Application	17 Dec 2018	62/780629			POLYSACCHARIDE DERIVATIVES AND COMPOSITIONS COMPRISING SAME
CS0003-CN-NP	China	National Patent	06 Jan 2012	201210003611.2	25 Mar 2015	201210003611.2	A FLAME RETARDANT COMPOSITION, A MOLDED ARTICLE AND FIBROUS SUBSTRATE
CS0004-BR-PCT	Brazil	PCT Application	15 Jan 2013	1120140172102			WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-CA-PCT	Canada	PCT Application	15 Jan 2013	2861606			WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-CN-NP	China	National Patent	16 Jan 2012	201210012455.6	06 Aug 2014	201210012455.6	WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-DE-EPT	Germany	Euro-PCT Application	15 Jan 2013	13701543.4	02 Nov 2016	602013013445.6	WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Jan 2013	13701543.4	02 Nov 2016	2804972	WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	29 May 2015	15169778.6			WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-FR-EPT	France	Euro-PCT Application	15 Jan 2013	13701543.4	02 Nov 2016	2804972	WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CS0004-GB-EPT	United Kingdom	Euro-PCT Application	15 Jan 2013	13701543.4	02 Nov 2016	2804972	WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-ID-PCT	Indonesia	PCT Application	15 Jan 2013	P00201404331			WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-IN-PCT	India	PCT Application	15 Jan 2013	5469/DELNP/2014			WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-IT-EPT	Italy	Euro-PCT Application	15 Jan 2013	13701543.4	02 Nov 2016	502017000005472	WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-JP-PCT	Japan	PCT Application	15 Jan 2013	2014-553339	12 Jan 2018	6270161	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-KR-PCT	South Korea / Republic of Korea	PCT Application	15 Jan 2013	10-2014-7022534			WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-US-PCT	United States Of America	PCT Application	15 Jan 2013	14/372461	24 May 2016	9347157	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0009-CN-NP	China	National Patent	12 Sep 2012	201210337112.7	16 Sep 2015	201210337112.7	FLAME RETARDANT SORONA® FIBER
CS0011-CN-NP	China	National Patent	25 Dec 2012	201210572950.2	30 Mar 2016	201210572950.2	METHOD FOR PREPARING ALIPHATIC POLYESTERS FROM DIOLS
CS0014-CN-NP	China	National Patent	30-Nov-12		20-Apr-16	CN103849124B	TOUGHENED THERMOPLASTIC COMPOSITIONS COMPRISING POLYESTER
CS0015-CN-NP	China	National Patent	30-Nov-12		21 Dec 2016	CN103849122B	FLOW ENHANCED POLYESTER COMPOSITES PREPARED BY A NOVEL METHOD
CS0022-CN-NP	China	National Patent	24 Dec 2012	201210568143.3	20 Apr 2016	201210568143.3	POLY(TRIMETHYLENE TEREPHTHALATE) COMPOSITION HAVING IMPROVED MELT FLOWABILITY

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CS0037-CN-NP	China	National Patent	09 Dec 2013	201310658718.5	12 Apr 2017	201310658718.5	TRANSFER PRINTING METHODS FOR FIBROUS ARTICLES COMPRISING POLYTRIMETHYLENE TEREPHTHALETE
DP6535-CN-PCT	China	PCT Application	01 Mar 2001	01800400.8	01 Feb 2006	01800400.8	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-DE-EPT	Germany	Euro-PCT Application	01 Mar 2001	01916318.7	26 Jul 2006	60121694.6	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Mar 2001	01916318.7	26 Jul 2006	1192302	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-FR-EPT	France	Euro-PCT Application	01 Mar 2001	01916318.7	26 Jul 2006	1192302	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-GB-EPT	United Kingdom	Euro-PCT Application	01 Mar 2001	01916318.7	26 Jul 2006	1192302	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-IN-PCT	India	PCT Application	01 Mar 2001	01262/MUM	01 Mar 2009	226531	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-IT-EPT	Italy	Euro-PCT Application	01 Mar 2001	01916318.7	26 Jul 2006	832016000105663	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-JP-PCT	Japan	PCT Application	01 Mar 2001	565438/01	18 Jul 2014	5579957	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-KR-PCT	South Korea / Republic of Korea	PCT Application	01 Mar 2001	10-2001-7013988	07 Dec 2006	657440	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-TW-NP	Taiwan	National Patent	02 Mar 2001	90104876	18 Feb 2011	I207835	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-US-CIP	United States Of America	Continuation -in-Part	28 Feb 2001	09/795518	07 May 2002	6383632	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6535-US-CIP[1]	United States Of America	Continuation -in-Part	28 Feb 2001	09/795520	16 Dec 2003	6663806	FINE DENIER YARN FROM POLY(TRIMETHYLENE TEREPHTHALATE)
DP6540-CN-PCT	China	PCT Application	01 Mar 2001	01800399.0	24 Aug 2005	01800399.0	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540-DE-EPT	Germany	Euro-PCT Application	01 Mar 2001	01916317.9	16 Nov 2005	60114954.8	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
DP6540 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	01 Mar 2001	01916317.9	16 Nov 2005	1183409	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540 -IN-PCT	India	PCT Application	01 Mar 2001	1263/MUM/01	20 Apr 2007	206251	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540 -IT-EPT	Italy	Euro-PCT Application	01 Mar 2001	01916317.9	16 Nov 2005	1183409	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540 -JP-PCT	Japan	PCT Application	01 Mar 2001	565437/01	17 Dec 2010	4649089	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540 -KR- PCT	South Korea / Republic of Korea	PCT Application	01 Mar 2001	10-2001-7013991	15 Dec 2006	660500	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540 -TR- EPT	Turkey	Euro-PCT Application	01 Mar 2001	01916317.9	16 Nov 2005	1183409	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540 -TW-NP	Taiwan	National Patent	02 Mar 2001	90104889	05 Feb 2004	NI-187788	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6540 -US-NP	United States Of America	National Patent	01 Mar 2001	09/796785	03 Feb 2004	6685859	FULLY ORIENTED SPUN POLY(TRIMETHYLENE TEREPHTHALATE) YARN
DP6670 -CN- PCT	China	PCT Application	27 Aug 2001	01803553.1	12 Jan 2005	01803553.1	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -DE- EPT	Germany	Euro-PCT Application	27 Aug 2001	01966280.8	26 Jan 2005	60108603.1	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	27 Aug 2001	01966280.8	26 Jan 2005	1230450	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -ID-PCT	Indonesia	PCT Application	27 Aug 2001	W-2002/1068	12 Dec 2008	ID0022486	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -IN-PCT	India	PCT Application	27 Aug 2001	0568/MUM/02	11 Oct 2006	202728	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
DP6670 -IT-EPT	Italy	Euro-PCT Application	27 Aug 2001	01966280.8	26 Jan 2005	1230450	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -JP-DIV	Japan	National Patent Divisional	24 Mar 2011	066321/11	28 Feb 2014	5484383	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -JP-PCT	Japan	PCT Application	27 Aug 2001	527359/01	16 Sep 2011	4824898	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -KR- PCT	South Korea / Republic of Korea	PCT Application	27 Aug 2001	10-2002-7006088	13 Jul 2006	603487	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -TR- EPT	Turkey	Euro-PCT Application	27 Aug 2001	01966280.8	26 Jan 2005	TR200501354T4	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -TW-NP	Taiwan	National Patent	30 Aug 2001	90121461	19 Sep 2007	NI-207779	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6670 -US-NP	United States Of America	National Patent	22 Aug 2001	09/934904	22 Jun 2004	6752945	PROCESS FOR MAKING POLY(TRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6675 -CN- PCT	China	PCT Application	27 Aug 2001	01803551.5	21 Dec 2005	01803551.5	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -DE- EPT	Germany	Euro-PCT Application	27 Aug 2001	01979229.0	30 Mar 2005	60109729.7	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	27 Aug 2001	01979229.0	30 Mar 2005	1230451	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -ID-PCT	Indonesia	PCT Application	27 Aug 2001	W00200201075	02 Aug 2006	ID0017884	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
DP6675 -IN-PCT	India	PCT Application	27 Aug 2001	0562/MUM/02	03 May 2007	206597	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -IT-EPT	Italy	Euro-PCT Application	27 Aug 2001	01979229.0	30 Mar 2005	1230451	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -JP-PCT	Japan	PCT Application	27 Aug 2001	527361/01	16 Sep 2011	4824899	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -KR- PCT	South Korea / Republic of Korea	PCT Application	27 Aug 2001	10-2002-7006089	05 Dec 2007	785217	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -TR- EPT	Turkey	Euro-PCT Application	27 Aug 2001	01979229.0	30 Mar 2005	1230451	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -TW-NP	Taiwan	National Patent	30 Aug 2001	90121458	05 Feb 2004	NI-187832	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6675 -US-NP	United States Of America	National Patent	22 Aug 2001	09/934905	29 Mar 2005	6872352	FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBERS
DP6676 -US- DIV	United States Of America	National Patent Divisional	24 Jun 2002	10/178753	28 Dec 2004	6835339	POLY(TRIMETHYLENE TEREPHTHALATE) TETRACHANNEL CROSS- SECTION STAPLE FIBER, YARN, FIBERFILL, AND FABRICS
DP6676 -US-NP	United States Of America	National Patent	22 Aug 2001	09/934866	01 Oct 2002	6458455	POLY(TRIMETHYLENE TEREPHTHALATE) TETRACHANNEL CROSS- SECTION STAPLE FIBER, YARN, FIBERFILL, AND FABRICS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
IN0001-BR-PCT	Brazil	PCT Application	12 Dec 2012	112014014229-7			STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-CN-PCT	China	PCT Application	12 Dec 2012	201280061786.7	13 Jun 2017	201280061786.7	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-EP-EPT	European Procedure (Patents)	Euro-PCT Application	12 Dec 2012	12809933.0			STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-ID-PCT	Indonesia	PCT Application	12 Dec 2012	P00201403355			STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-IN-PCT	India	PCT Application	12 Dec 2012	3851/DELNP/2014			STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-JP-PCT	Japan	PCT Application	12 Dec 2012	2014/547382	18 May 2018	6338249	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-KR-PCT	South Korea / Republic of Korea	PCT Application	12 Dec 2012	10-2014-7019091			STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-US-PCT	United States Of America	PCT Application	12 Dec 2012	14/364077			STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLENE TEREPHTHALATE BASED CORE SPUN YARNS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
IN0002-IN-PCT	India	PCT Application	09 Nov 2012	3801/DELNP/2014			A STRETCHABLE, FINE, WOVEN, POLYTRIMETHYLENE TEREPHTHALATE BASED FABRIC
IN0006-IN-PCT	India	PCT Application	13 Nov 2012	3726/DELNP/2014			WOVEN FABRIC MADE OF HIGH TWIST YARNS AND METHOD OF MANUFACTURE THEREOF
IN0032-IN-PCT	India	PCT Application	12 Feb 2015	201617026584			A BICOMPONENT GEORGETTE FABRIC AND METHOD OF MANUFACTURE THEREOF
IN0033-IN-PCT	India	PCT Application	12 Feb 2015	201617026227			A GEORGETTE FABRIC AND METHOD OF MANUFACTURE THEREOF
PT0064-CN-PCT	China	PCT Application	13 May 2003	03816023.4	09 Apr 2008	389560	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-DE-EPT	Germany	Euro-PCT Application	13 May 2003	03724571.9	21 Jun 2006	60306368.3	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 May 2003	03724571.9	21 Jun 2006	1504059	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-FR-EPT	France	Euro-PCT Application	13 May 2003	03724571.9	21 Jun 2006	1504059	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-GB-EPT	United Kingdom	Euro-PCT Application	13 May 2003	03724571.9	21 Jun 2006	1504059	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-JP-PCT	Japan	PCT Application	13 May 2003	503558/04	04 Dec 2009	4417834	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-US-NP	United States Of America	National Patent	12 May 2003	10/437688	17 Jun 2008	7388058	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
RD7160-CN-PCT	China	PCT Application	10 Aug 2000	00808220.0	18 Aug 2004	00808220.0	ESTERIFICATION PROCESS
RD7160-IN-PCT	India	PCT Application	10 Aug 2000	922/DEL/01	30 Aug 2007	209462	ESTERIFICATION PROCESS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
RD7160 -JP-PCT	Japan	PCT Application	10 Aug 2000	558127/01	17 Feb 2012	4928698	ESTERIFICATION PROCESS
RD7160 -KR-PCT	South Korea / Republic of Korea	PCT Application	10 Aug 2000	10-2001-7012762	28 Jan 2008	800955	ESTERIFICATION PROCESS
RD7160 -US-DIV	United States Of America	National Patent Divisional	27 Feb 2001	09/793832	30 Jul 2002	6426398	ESTERIFICATION PROCESS
RD7160 -US-NP	United States Of America	National Patent	08 Feb 2000	09/500340	03 Jul 2001	6255442	ESTERIFICATION PROCESS
RD7525 -KR-PCT	South Korea / Republic of Korea	PCT Application	29 Jan 2001	10-2002-7010385	27 Feb 2007	690496	CATIONIC DYEABILITY MODIFIER FOR USE WITH POLYESTER AND POLYAMIDE
RD7590 -BR-PCT	Brazil	PCT Application	10 Aug 2000	PI0017104.2	07 Feb 2012	PI0017104.2	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7590 -CN-PCT	China	PCT Application	10 Aug 2000	00818908.0	13 Apr 2005	00818908.0	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7590 -IN-PCT	India	PCT Application	10 Aug 2000	0918/MUM/02	09 Apr 2007	205754	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7590 -US-NP	United States Of America	National Patent	11 Feb 2000	09/501700	05 Mar 2002	6353062	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7605 -BR-PCT	Brazil	PCT Application	10 Aug 2000	PI0017106.9	27 Jul 2010	PI0017106.9	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7605 -CN-PCT	China	PCT Application	10 Aug 2000	00818893.9	29 Aug 2012	00818893.9	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7605 -IN-PCT	India	PCT Application	10 Aug 2000	0919/MUM/02	12 Mar 2007	204822	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7605 -US-CNT	United States Of America	Continuation	22 May 2001	10/057497	25 Mar 2003	6538076	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
RD7605 -US- CNT[2]	United States Of America	Continuation	29 Mar 2005	11/093092	07 Nov 2006	7132484	CONTINUOUS PROCESS FOR PRODUCING POLY (TRIMETHYLENE TEREPHTHALATE)
RD7850 -DE- EPT	Germany	Euro-PCT Application	09 Nov 2000	00979149.2	02 Nov 2016	60027751.8	ACID DYEABLE POLY-ALKYLENE TEREPHTHALATE COMPOSITIONS AND METHOD OF MAKING SAME
RD7850 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	09 Nov 2000	00979149.2	02 Nov 2016	1228132	ACID DYEABLE POLY-ALKYLENE TEREPHTHALATE COMPOSITIONS AND METHOD OF MAKING SAME
RD7850 -US- DIV	United States Of America	National Patent Divisional	07 Mar 2002	10/093654	22 Feb 2005	6858702	ACID DYEABLE POLY-ALKYLENE TEREPHTHALATE COMPOSITIONS AND METHOD OF MAKING SAME
RD7850 -US- DIV[2]	United States Of America	National Patent Divisional	24 Aug 2004	10/925102	25 Apr 2006	7034088	ACID DYEABLE POLY-ALKYLENE TEREPHTHALATE COMPOSITIONS AND METHOD OF MAKING SAME
RD7850 -US-NP	United States Of America	National Patent	08 Nov 2000	09/708209	10 Jun 2003	6576340	ACID DYEABLE POLY-ALKYLENE TEREPHTHALATE COMPOSITIONS AND METHOD OF MAKING SAME
SO0001 -CN- DIV	China	National Patent Divisional	28 Sep 2006	200610141634.4	08 Dec 2010	200610141634.4	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0001 -CN- PCT	China	PCT Application	12 Jun 2003	03819333.7	09 Apr 2008	03819333.7	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0001 -JP-PCT	Japan	PCT Application	12 Jun 2003	508516/05	20 Aug 2010	4571910	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0001 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Jun 2003	10-2004-7020337	27 Sep 2010	0984908	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0001 -MX- PCT	Mexico	PCT Application	12 Jun 2003	PA/A/2004/012510	22 Aug 2007	248250	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0001 -US-NP	United States Of America	National Patent	10 Jun 2003	10/459829	18 May 2004	6737481	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0004 -CN- PCT	China	PCT Application	04 Feb 2004	200480009399.4	19 Aug 2015	200480009399.4	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004 -DE- EPT	Germany	Euro-PCT Application	04 Feb 2004	04708231.8	25 Jan 2012	602004036264.6	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0004-EP-EPT	European Procedure (Patents)	Euro-PCT Application	04 Feb 2004	04708231.8	25 Jan 2012	1590511	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-IN-PCT	India	PCT Application	04 Feb 2004	3445/DELNP/2005	16 Dec 2008	226277	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-IT-EPT	Italy	Euro-PCT Application	04 Feb 2004	04708231.8	25 Jan 2012	1590511	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-JP-PCT	Japan	PCT Application	04 Feb 2004	503359/06	20 Aug 2010	4571123	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-KR-PCT	South Korea / Republic of Korea	PCT Application	04 Feb 2004	10-2005-7014435	30 Oct 2012	1197816	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-TR-EPT	Turkey	Euro-PCT Application	04 Feb 2004	04708231.8	25 Jan 2012	1590511	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-TW-NP	Taiwan	National Patent	05 Feb 2004	093102618	01 Aug 2010	I328053	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-US-NP	United States Of America	National Patent	16 Sep 2003	10/663295	28 Feb 2006	7005093	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0007-US-NP	United States Of America	National Patent	10 Dec 2003	10/733998	25 Aug 2009	7578957	STAPLE FIBERS AND PROCESSES FOR MAKING SAME
SO0011-EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Jun 2003	03811185.2	13 Jan 2010	1558797	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-IN-PCT	India	PCT Application	23 Jun 2003	3426/DELNP/2004	19 Jan 2015	264743	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-IT-EPT	Italy	Euro-PCT Application	23 Jun 2003	03811185.2	13 Jan 2010	1558797	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-JP-PCT	Japan	PCT Application	23 Jun 2003	551414/04	22 May 2009	4313312	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-KR-PCT	South Korea / Republic of Korea	PCT Application	23 Jun 2003	10-2004-7021034	27 Jun 2012	1162372	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-TR-EPT	Turkey	Euro-PCT Application	23 Jun 2003	03811185.2	13 Jan 2010	1558797	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-TW-NP	Taiwan	National Patent	27 Jun 2003	092117673	11 Dec 2008	I304103	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0011 -US-DIV	United States Of America	National Patent Divisional	10 Sep 2003	10/659530	25 Apr 2006	7033530	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011 -US-NP	United States Of America	National Patent	05 Nov 2002	10/287975	04 Nov 2003	6641916	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0012 -DE-EPT	Germany	Euro-PCT Application	23 Jun 2003	03742167.4	17 Nov 2010	60334999.4	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Jun 2003	03742167.4	17 Nov 2010	1534492	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -IN-PCT	India	PCT Application	23 Jun 2003	3430/DELNP/2004	15 Mar 2013	255689	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -JP-DIV	Japan	National Patent Divisional	21 Aug 2009	191957/09	09 Sep 2011	4820894	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -JP-DIV[1]	Japan	National Patent Divisional	21 Aug 2009	191958/09	09 Sep 2011	4820895	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -JP-PCT	Japan	PCT Application	23 Jun 2003	521485/04	03 Sep 2010	4578969	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -KR-PCT	South Korea / Republic of Korea	PCT Application	23 Jun 2003	10-2004-7021033	14 Jun 2011	1043149	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -TR-EPT	Turkey	Euro-PCT Application	23 Jun 2003	03742167.4	17 Nov 2010	1534492	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -TW-NP	Taiwan	National Patent	27 Jun 2003	092117671	11 Dec 2009	I318252	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012 -US-NP	United States Of America	National Patent	11 Jul 2002	10/193498	26 Jul 2005	6921803	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0015 -CN-PCT	China	PCT Application	01 Dec 2006	200680045602.2	04 Jul 2012	200680045602.2	POLY(TRIMETHYLENE TEREPHTHALATE)/POLY(ALPHA-HYDROXY ACID) BICONSTITUENT FILAMENTS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0015 -US-CIP	United States Of America	Continuation -in-Part	29 Nov 2006	11/605662	23 Feb 2010	7666501	POLY(TRIMETHYLENE TEREPHTHALATE)/POLY(ALPHA-HYDROXY ACID) BICONSTITUENT FILAMENTS
SO0015 -US-DIV	United States Of America	National Patent Divisional	06 Jan 2010	12/652756	29 Nov 2011	8066923	POLY(TRIMETHYLENE TEREPHTHALATE)/POLY(ALPHA-HYDROXY ACID) BICONSTITUENT FILAMENTS
SO0023 -CN-PCT	China	PCT Application	23 Jun 2003	03814823.4	07 Nov 2012	03814823.4	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -DE-EPT	Germany	Euro-PCT Application	23 Jun 2003	03814567.8	25 May 2016	60348988.5	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Jun 2003	03814567.8	25 May 2016	1576211	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -FR-EPT	France	Euro-PCT Application	23 Jun 2003	03814567.8	25 May 2016	1576211	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -GB-EPT	United Kingdom	Euro-PCT Application	23 Jun 2003	03814567.8	25 May 2016	1576211	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -ID-DIV	Indonesia	National Patent Divisional	16 Jul 2008	W00200802351	08 Feb 2018	IDP000049459	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -IN-PCT	India	PCT Application	23 Jun 2003	3429/DELNP/2004	13 Jun 2017	284179	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -IT-EPT	Italy	Euro-PCT Application	23 Jun 2003	03814567.8	25 May 2016	502016000086398	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -KR-PCT	South Korea / Republic of Korea	PCT Application	23 Jun 2003	10-2004-7021032	10 Nov 2011	1084480	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023 -TW-NP	Taiwan	National Patent	27 Jun 2003	092117691	21 Dec 2008	I304448	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0023 -US-NP	United States Of America	National Patent	26 Jun 2003	10/607252	12 Dec 2006	7147815	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0029 -DE-EPT	Germany	Euro-PCT Application	08 Jun 2005	05784957.2	07 Nov 2012	602005036901.5	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	08 Jun 2005	05784957.2	07 Nov 2012	1753809	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -FR-EPT	France	Euro-PCT Application	08 Jun 2005	05784957.2	07 Nov 2012	1753809	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -GB-EPT	United Kingdom	Euro-PCT Application	08 Jun 2005	05784957.2	07 Nov 2012	1753809	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -IN-PCT	India	PCT Application	08 Jun 2005	6560/DELNP/2006	14 Jul 2014	261769	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -IT-EPT	Italy	Euro-PCT Application	08 Jun 2005	05784957.2	07 Nov 2012	1753809	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -JP-PCT	Japan	PCT Application	08 Jun 2005	527758/07	25 Nov 2011	4871871	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -KR-PCT	South Korea / Republic of Korea	PCT Application	08 Jun 2005	10-2006-7025862	21 Feb 2013	1238117	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -TW-NP	Taiwan	National Patent	10 Jun 2005	094119341	01 Jan 2013	I381080	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029 -US-NP	United States Of America	National Patent	10 Jun 2004	10/865112	27 Mar 2007	7196125	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0033 -CN-PCT	China	PCT Application	06 Jan 2005	200580001824.X	04 Jul 2012	200580001824.X	PROCESS FOR PREPARING POLY(TRIMETHYLENE TEREPHTHALATE) FIBER

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0042 -US-NP	United States Of America	National Patent	09 Aug 2005	11/199647	08 Jul 2008	7396896	POLY(TRIMETHYLENE TEREPHTHALATE) COMPOSITION AND SHAPED ARTICLES PREPARED THEREFROM
SO0057 -CN-PCT	China	PCT Application	19 Sep 2006	200680042397.4	27 Apr 2011	200680042397.4	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -DE-EPT	Germany	Euro-PCT Application	19 Sep 2006	06825019.0	27 Oct 2010	602006017861.1	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	19 Sep 2006	06825019.0	27 Oct 2010	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -GB-EPT	United Kingdom	Euro-PCT Application	19 Sep 2006	06825019.0	27 Oct 2010	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -IN-PCT	India	PCT Application	19 Sep 2006	2328/DELNP/2008	24 Aug 2016	275139	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -IT-EPT	Italy	Euro-PCT Application	19 Sep 2006	06825019.0	27 Oct 2010	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -JP-PCT	Japan	PCT Application	19 Sep 2006	2008-532318	25 Apr 2014	5527971	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -KR-PCT	South Korea / Republic of Korea	PCT Application	19 Sep 2006	10-2008-7009287	27 Sep 2013	1314878	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -TR-EPT	Turkey	Euro-PCT Application	19 Sep 2006	06825019.0	27 Oct 2010	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -US-DIV	United States Of America	National Patent Divisional	21 Feb 2008	12/035350	24 Jun 2014	8758660	HIGH CRIMP BICOMPONENT FIBERS
SO0057 -US-NP	United States Of America	National Patent	19 Sep 2005	11/230104	15 Apr 2008	7357985	HIGH CRIMP BICOMPONENT FIBERS
SO0066 -CN-PCT	China	PCT Application	21 Dec 2006	200680048045.X	07 Sep 2011	200680048045.X	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS
SO0066 -IN-PCT	India	PCT Application	21 Dec 2006	4820/DELNP/2008	24 Oct 2015	269477	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
SO0066 -JP-PCT	Japan	PCT Application	21 Dec 2006	547596/08	15 Mar 2013	5219836	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS
SO0066 -US-NP	United States Of America	National Patent	14 Dec 2006	11/638917	17 Mar 2009	7504474	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS
SO0068 -BR-PCT	Brazil	PCT Application	21 Dec 2006	PI0621116.0	05 Dec 2017	PI0621116-0	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0068 -CN-PCT	China	PCT Application	21 Dec 2006	200680048439.5	15 Jun 2011	200680048439.5	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0068 -IN-PCT	India	PCT Application	21 Dec 2006	4819/DELNP/2008	01 Aug 2014	262135	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0068 -US-NP	United States Of America	National Patent	14 Dec 2006	11/638978	28 Apr 2009	7524921	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL6395 -AU-PCT	Australia	PCT Application	13 Sep 2017	2017326168			ENGINEERED GLUCOSYLTRANSFERASES
CL6395 -BR-PCT	Brazil	PCT Application	13 Sep 2017	1120190042130			ENGINEERED GLUCOSYLTRANSFERASES
CL6395 -CA-PCT	Canada	PCT Application	13 Sep 2017	3033369			ENGINEERED GLUCOSYLTRANSFERASES
CL6395 -CN-PCT	China	PCT Application	13 Sep 2017	PCT/US17/51279			ENGINEERED GLUCOSYLTRANSFERASES
CL6395 -IN-PCT	India	PCT Application	13 Sep 2017	201917005021			ENGINEERED GLUCOSYLTRANSFERASES
CL6395 -JP-PCT	Japan	PCT Application	13 Sep 2017	PCT/US17/51279			ENGINEERED GLUCOSYLTRANSFERASES
CL6456 -US-CNT	United States Of America	Continuation	22 Feb 2019	16/282571			PRODUCTION AND COMPOSITION OF FRUCTOSE SYRUP
CL6535 -BR-PCT	Brazil	PCT Application	20 Jul 2017	112019001171-4			POLYURETHANE POLYMERS
CL6535 -CN-PCT	China	PCT Application	20 Jul 2017	201780045493.2			POLYURETHANE POLYMERS
CL6535 -JP-PCT	Japan	PCT Application	20 Jul 2017	PCT/US17/42990			POLYURETHANE POLYMERS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL6535 -KR- PCT	South Korea / Republic of Korea	PCT Application	20 Jul 2017	10-2019-7001006			POLYURETHANE POLYMERS
CL6572 -AU- PCT	Australia	PCT Application	25 Oct 2017	2017348076			RUBBER COMPOSITIONS COMPRISING POLYSACCHARIDES
CL6572 -BR- PCT	Brazil	PCT Application	25 Oct 2017	1120190042075			RUBBER COMPOSITIONS COMPRISING POLYSACCHARIDES
CL6572 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	25 Oct 2017	17808630.2			RUBBER COMPOSITIONS COMPRISING POLYSACCHARIDES
CL6572 -IN-PCT	India	PCT Application	25 Oct 2017	201917006294			RUBBER COMPOSITIONS COMPRISING POLYSACCHARIDES
CL6607 -US-NP	United States Of America	National Patent	07 Mar 2019	16/295423			ENGINEERED GLUCOSYLTRANSFERASES
CL6607 -WO- PCT	International Procedure	PCT Application	07 Mar 2019	PCT/US19/21136			ENGINEERED GLUCOSYLTRANSFERASES
CL5585 -BR- PCT	Brazil	PCT Application	28 Dec 2012	1120140160015			PROCESS FOR THE PRODUCTION OF FURFURAL
CL5585 -CA- PCT	Canada	PCT Application	28 Dec 2012	2859898			PROCESS FOR THE PRODUCTION OF FURFURAL
CL5585 -CN- PCT	China	PCT Application	28 Dec 2012	201280065178.3	29 Jun 2016	201280065178.3	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5585 -US-NP	United States Of America	National Patent	28 Dec 2012	13/729445	21 Apr 2015	9012664	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5585 -ZA- PCT	South Africa	PCT Application	28 Dec 2012	2014/04218	23 Dec 2015	2014/04218	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5596 -US-NP	United States Of America	National Patent	28 Dec 2012	13/729480	10 Nov 2015	9181211	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5542 -US-NP	United States Of America	National Patent	28 Dec 2012	13/729436	10 Nov 2015	9181210	PROCESSES FOR MAKING FURFURALS
CL5469 -BR- PCT	Brazil	PCT Application	28 Dec 2012	1120140159882			PROCESS FOR THE PRODUCTION OF FURFURAL
CL5469 -CA- PCT	Canada	PCT Application	28 Dec 2012	2859996			PROCESS FOR THE PRODUCTION OF FURFURAL

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL5469 -CN- PCT	China	PCT Application	28 Dec 2012	201280065145.9	06 Jul 2016	201280065145.9	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5469 -US-NP	United States Of America	National Patent	28 Dec 2012	13/729375	10 Nov 2015	9181209	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5391 -US-NP	United States Of America	National Patent	31 Oct 2011	13/285745	03 Sep 2013	8524925	PRODUCTION OF FURFURAL FROM BIOMASS
CL2180 -AU- PCT	Australia	PCT Application	06 Oct 2003	2003287028	18 Dec 2008	2003287028	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -BR- PCT	Brazil	PCT Application	06 Oct 2003	PI0314498.4			PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -CA- PCT	Canada	PCT Application	06 Oct 2003	2501574	03 Dec 2013	2501574	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -CN- PCT	China	PCT Application	06 Oct 2003	200380104657.2	25 Mar 2009	200380104657.2	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -DE- EPT	Germany	Euro-PCT Application	06 Oct 2003	03777548.3	29 Dec 2010	60335574.9	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	06 Oct 2003	03777548.3	29 Dec 2010	1576123	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -ES- EPT	Spain	Euro-PCT Application	06 Oct 2003	03777548.3	29 Dec 2010	1576123	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -FR- EPT	France	Euro-PCT Application	06 Oct 2003	03777548.3	29 Dec 2010	1576123	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -GB- EPT	United Kingdom	Euro-PCT Application	06 Oct 2003	03777548.3	29 Dec 2010	1576123	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -ID-PCT	Indonesia	PCT Application	06 Oct 2003	W00200500848	22 Aug 2016	IDP000042461	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL2180 -IN-PCT	India	PCT Application	06 Oct 2003	1302/DELNP/2005	28 Sep 2010	243140	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -IT-EPT	Italy	Euro-PCT Application	06 Oct 2003	03777548.3	29 Dec 2010	1576123	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -JP-PCT	Japan	PCT Application	06 Oct 2003	543492/04	24 Sep 2010	4592418	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -KR-PCT	South Korea / Republic of Korea	PCT Application	06 Oct 2003	10-2005-7005857	10 May 2012	1148255	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -SG-PCT	Singapore	PCT Application	06 Oct 2003	200501985.6	29 Feb 2008	111510	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -US-DIV	United States Of America	National Patent Divisional	24 Mar 2008	12/053991	29 Jun 2010	7745184	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2180 -US-NP	United States Of America	National Patent	06 Oct 2003	10/680286	13 May 2008	7371558	PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH YIELD
CL2361 -BR-PCT	Brazil	PCT Application	05 May 2004	PI0410685.7	31 Dec 2013	PI0410685.7	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -CA-PCT	Canada	PCT Application	05 May 2004	2522928	24 Sep 2013	2522928	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -CN-PCT	China	PCT Application	05 May 2004	200480019163.9	15 Apr 2009	200480019163.9	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -DE-EPT	Germany	Euro-PCT Application	05 May 2004	04760882.3	28 Jul 2010	602004028359.2	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -EP-EPT	European Procedure (Patents)	Euro-PCT Application	05 May 2004	04760882.3	28 Jul 2010	1625224	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -FR-EPT	France	Euro-PCT Application	05 May 2004	04760882.3	28 Jul 2010	1625224	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -GB-EPT	United Kingdom	Euro-PCT Application	05 May 2004	04760882.3	28 Jul 2010	1625224	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL2361 -IN-PCT	India	PCT Application	05 May 2004	5089/DELNP/05	01 Feb 2011	245766	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -IT-EPT	Italy	Euro-PCT Application	05 May 2004	04760882.3	28 Jul 2010	1625224	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -JP-PCT	Japan	PCT Application	05 May 2004	532802/06	02 Sep 2011	4814794	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -KR-PCT	South Korea / Republic of Korea	PCT Application	05 May 2004	10-2005-7020976	06 Jan 2012	1105957	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -TH-NP	Thailand	National Patent	06 May 2004	0401001632	28 Feb 2018	61091	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -US-DIV[1]	United States Of America	National Patent Divisional	25 Feb 2011	13/035246	22 May 2012	8183417	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL2361 -US-NP	United States Of America	National Patent	05 May 2004	10/839188	05 Apr 2011	7919658	PURIFICATION OF BIOLOGICALLY-PRODUCED 1,3-PROPANEDIOL
CL4572 -US-NP	United States Of America	National Patent	21 Dec 2010	12/973980	03 Sep 2013	8524924	PROCESS FOR FURFURAL PRODUCTION FROM BIOMASS
CL4809 -AU-PCT	Australia	PCT Application	31 Aug 2010	2010286451	06 Oct 2016	2010286451	VAPOR-PHASE DECARBONYLATION PROCESS
CL4809 -BR-PCT	Brazil	PCT Application	31 Aug 2010	1120120043978			VAPOR-PHASE DECARBONYLATION PROCESS
CL4809 -CN-PCT	China	PCT Application	31 Aug 2010	201080038671.7	20 May 2015	201080038671.7	VAPOR-PHASE DECARBONYLATION PROCESS
CL4809 -HK-FPR	Hong Kong	Foreign Patent Registration	23 Nov 2012	12112050.8			VAPOR-PHASE DECARBONYLATION PROCESS
CL4809 -US-PCT	United States Of America	PCT Application	31 Aug 2010	13/392550	17 Jun 2014	8754245	VAPOR-PHASE DECARBONYLATION PROCESS
CL4810 -AU-PCT	Australia	PCT Application	31 Aug 2010	2010286453	24 Dec 2015	2010286453	DECARBONYLATION PROCESS
CL4810 -BR-PCT	Brazil	PCT Application	31 Aug 2010	1120120040561			DECARBONYLATION PROCESS
CL4810 -CN-PCT	China	PCT Application	31 Aug 2010	201080038882.0	20 May 2015	201080038882.0	DECARBONYLATION PROCESS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4810 -HK- FPR	Hong Kong	Foreign Patent Registration	23 Nov 2012	12112049.2			DECARBONYLATION PROCESS
CL4810 -US- PCT	United States Of America	PCT Application	31 Aug 2010	13/392556	18 Feb 2014	8653287	DECARBONYLATION PROCESS
CL4831 -BR- PCT	Brazil	PCT Application	20 Dec 2011	BR112013015693-7			METHODS FOR FURFURAL PRODUCTION FROM BRANCHED NON-FERMENTABLE SUGARS IN STILLAGE OR SYRUP
CL4831 -CN- PCT	China	PCT Application	20 Dec 2011	201180061134.9	25 Nov 2015	201180061134.9	METHODS FOR FURFURAL PRODUCTION FROM BRANCHED NON-FERMENTABLE SUGARS IN STILLAGE OR SYRUP
CL4831 -US- PCT	United States Of America	PCT Application	20 Dec 2011	14/009645	05 May 2015	9024047	METHODS FOR FURFURAL PRODUCTION FROM BRANCHED NON-FERMENTABLE SUGARS IN STILLAGE OR SYRUP
CL4788 -AU- PCT	Australia	PCT Application	31 Aug 2010	2010286449	06 Oct 2016	2010286449	VAPOR PHASE DECARBONYLATION PROCESS
CL4788 -BR- PCT	Brazil	PCT Application	31 Aug 2010	1120120043994			VAPOR PHASE DECARBONYLATION PROCESS
CL4788 -CN- PCT	China	PCT Application	31 Aug 2010	201080038881.6	20 Jan 2016	201080038881.6	VAPOR PHASE DECARBONYLATION PROCESS
CL4788 -HK- FPR	Hong Kong	Foreign Patent Registration	23 Nov 2012	12112048.3			VAPOR PHASE DECARBONYLATION PROCESS
CL4788 -US- PCT	United States Of America	PCT Application	31 Aug 2010	13/392541	29 Apr 2014	8710251	VAPOR PHASE DECARBONYLATION PROCESS
CL4505 -AU- PCT	Australia	PCT Application	08 Dec 2009	2009335981	07 Apr 2016	2009335981	VAPOR-PHASE DECARBONYLATION PROCESS
CL4505 -CN- PCT	China	PCT Application	08 Dec 2009	200980150910.5	30 Mar 2016	200980150910.5	VAPOR-PHASE DECARBONYLATION PROCESS
CL4505 -IN-PCT	India	PCT Application	08 Dec 2009	5006/DELNP/2011	06 Feb 2017	279964	VAPOR-PHASE DECARBONYLATION PROCESS
CL4505 -US- PCT	United States Of America	PCT Application	08 Dec 2009	13/124574	26 Mar 2013	8404871	VAPOR-PHASE DECARBONYLATION PROCESS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CL4509 -AU- PCT	Australia	PCT Application	08 Dec 2009	2009327449	07 Apr 2016	2009327449	VAPOR-PHASE DECARBONYLATION PROCESS
CL4509 -CN- PCT	China	PCT Application	08 Dec 2009	200980151130.2	22 Oct 2014	200980151130.2	VAPOR-PHASE DECARBONYLATION PROCESS
CL4509 -HK- FPR	Hong Kong	Foreign Patent Registration	17 May 2012	12104863.2	21 Apr 2015	1164301	VAPOR-PHASE DECARBONYLATION PROCESS
CL4509 -US- PCT	United States Of America	PCT Application	08 Dec 2009	13/122740	30 Jun 2015	9067904	VAPOR-PHASE DECARBONYLATION PROCESS
CL5669 -BR- PCT	Brazil	PCT Application	29 Mar 2013	1120140242143			FURAN BASED POLYAMIDES
CL5669 -CA- PCT	Canada	PCT Application	29 Mar 2013	2868286			FURAN BASED POLYAMIDES
CL5669 -CN- PCT	China	PCT Application	29 Mar 2013	201380017343.2			FURAN BASED POLYAMIDES
CL5669 -EP- EPT	European Procedure (Patents)	Euro-PCT Application	29 Mar 2013	13717631.9			POLYAMIDES AND METHODS OF MAKING
CL5669 -IN-PCT	India	PCT Application	29 Mar 2013	7041/DELNP/2014			FURAN BASED POLYAMIDES
CL5669 -JP-PCT	Japan	PCT Application	29 Mar 2013	2015-503656	04 Aug 2017	6185981	FURAN BASED POLYAMIDES
CL5669 -KR- PCT	South Korea / Republic of Korea	PCT Application	29 Mar 2013	10-2014-7030082			FURAN BASED POLYAMIDES
CL5669 -MY- PCT	Malaysia	PCT Application	29 Mar 2013	PI2014002413			FURAN BASED POLYAMIDES
CH3189 -BR- PCT	Brazil	PCT Application	16 Jun 2008	PI0811661.0			CATALYTIC PROCESS FOR CONVERTING RENEWABLE RESOURCES INTO PARAFFINS FOR USE AS DIESEL BLENDING STOCKS
CH3189 -CN- PCT	China	PCT Application	16 Jun 2008	200880020224.1	07 May 2014	200880020224.1	CATALYTIC PROCESS FOR CONVERTING RENEWABLE RESOURCES INTO PARAFFINS FOR USE AS DIESEL BLENDING STOCKS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3189 -IN- PCD	India	PCT Application Divisional	24 Nov 2015	10758/DELNP/2015			CATALYTIC PROCESS FOR CONVERTING RENEWABLE RESOURCES INTO PARAFFINS FOR USE AS DIESEL BLENDING STOCKS
CH3189 -IN-PCT	India	PCT Application	16 Jun 2008	8018/DELNP/2009	25 Sep 2017	287707	CATALYTIC PROCESS FOR CONVERTING RENEWABLE RESOURCES INTO PARAFFINS FOR USE AS DIESEL BLENDING STOCKS
CH3189 -US-NP	United States Of America	National Patent	13 Jun 2008	12/138764	27 Dec 2011	8084655	CATALYTIC PROCESS FOR CONVERTING RENEWABLE RESOURCES INTO PARAFFINS FOR USE AS DIESEL BLENDING STOCKS
CH3224 -BR- PCT	Brazil	PCT Application	23 Jun 1998	PI9810061.0	30 Nov 2010	PI9810061.0	TWO PHASE HYDROPROCESSING
CH3225 -BR- PCT	Brazil	PCT Application	23 Mar 2006	PI0612172.1	10 Feb 2016	PI0612172.1	CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING
CH3225 -CA- PCT	Canada	PCT Application	23 Mar 2006	2601995	13 Aug 2013	2601995	CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING
CH3225 -CN- PCT	China	PCT Application	23 Mar 2006	200680018017.3	13 Mar 2013	200680018017.3	CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING
CH3225 -IN-PCT	India	PCT Application	23 Mar 2006	7368/DELNP/07	17 Oct 2015	269365	CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING
CH3225 -KR- PCT	South Korea / Republic of Korea	PCT Application	23 Mar 2006	10-2007-7024344	28 Feb 2014	1371913	CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING
CH3225 -MX- PCD	Mexico	PCT Application Divisional	08 Jul 2011	MX/a/2011/007365			CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING
CH3225 -MX- PCT	Mexico	PCT Application	23 Mar 2006	MX/A/07/011809	06 Sep 2011	289968	CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING
CH3225 -RU- PCT	Russian Federation	PCT Application	23 Mar 2006	2007137780	10 Feb 2011	2411285	CONTROL SYSTEM METHOD AND APPARATUS FOR CONTINUOUS LIQUID PHASE HYDROPROCESSING

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3236 -US-NP	United States Of America	National Patent	13 Jun 2008	12/138872	21 Feb 2012	8119847	CATALYTIC PROCESS FOR CONVERTING RENEWABLE RESOURCES INTO PARAFFINS FOR USE AS DIESEL BLENDING STOCKS
CH3328 -BR-PCT	Brazil	PCT Application	13 Feb 2012	1120130189312			TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3328 -CA-PCT	Canada	PCT Application	13 Feb 2012	2825775			TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3328 -CN-PCT	China	PCT Application	13 Feb 2012	201280008412.9	10 Aug 2016	201280008412.9	TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3328 -IN-PCT	India	PCT Application	13 Feb 2012	6576/DELNP/2013			TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3328 -KR-PCT	South Korea / Republic of Korea	PCT Application	13 Feb 2012	10-2013-7023913			TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3328 -RU-PCT	Russian Federation	PCT Application	13 Feb 2012	2013141535	10 Aug 2016	2593758	TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3328 -SA-DIV	Saudi Arabia	National Patent Divisional	13 Apr 2015	115360463			TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3328 -US-NP	United States Of America	National Patent	11 Feb 2011	13/025427	22 Sep 2015	9139782	TARGETED PRETREATMENT AND SELECTIVE RING OPENING IN LIQUID-FULL REACTORS
CH3329 -BR-PCT	Brazil	PCT Application	27 Oct 2011	1120130098864			HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS
CH3329 -CA-PCT	Canada	PCT Application	27 Oct 2011	2815656			HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS
CH3329 -CN-PCT	China	PCT Application	27 Oct 2011	201180052065.5	07 Dec 2016	201180052065.5	HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3329 -IN-PCT	India	PCT Application	27 Oct 2011	3440/DELNP/2013			HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS
CH3329 -KR-PCT	South Korea / Republic of Korea	PCT Application	27 Oct 2011	10-2013-7013496			HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS
CH3329 -RU-PCT	Russian Federation	PCT Application	27 Oct 2011	2013124394	19 Jan 2016	2575120	HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS
CH3329 -SA-NP	Saudi Arabia	National Patent	29 Oct 2011	111320886	06 May 2015	4016	HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS
CH3329 -US-NP	United States Of America	National Patent	28 Oct 2010	12/914061			HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS IN LIQUID-FULL REACTORS
CH3340 -CA-PCT	Canada	PCT Application	30 Apr 2012	2834302			LIQUID-FULL HYDROPROCESSING TO IMPROVE SULFUR REMOVAL USING ONE OR MORE LIQUID RECYCLE STREAMS
CH3340 -CN-PCT	China	PCT Application	30 Apr 2012	201280020700.6	30 Mar 2016	201280020700.6	LIQUID-FULL HYDROPROCESSING TO IMPROVE SULFUR REMOVAL USING ONE OR MORE LIQUID RECYCLE STREAMS
CH3340 -IN-PCT	India	PCT Application	30 Apr 2012	8853/DELNP/2013			LIQUID-FULL HYDROPROCESSING TO IMPROVE SULFUR REMOVAL USING ONE OR MORE LIQUID RECYCLE STREAMS
CH3340 -KR-PCT	South Korea / Republic of Korea	PCT Application	30 Apr 2012	10-2013-7031155			LIQUID-FULL HYDROPROCESSING TO IMPROVE SULFUR REMOVAL USING ONE OR MORE LIQUID RECYCLE STREAMS
CH3340 -RU-PCT	Russian Federation	PCT Application	30 Apr 2012	2013152813	04 Apr 2017	2615133	LIQUID-FULL HYDROPROCESSING TO IMPROVE SULFUR REMOVAL USING ONE OR MORE LIQUID RECYCLE STREAMS
CH3340 -SA-NP	Saudi Arabia	National Patent	09 May 2012	112330504	28 Mar 2016	4739	LIQUID-FULL HYDROPROCESSING TO IMPROVE SULFUR REMOVAL USING ONE OR MORE LIQUID RECYCLE STREAMS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3340 -US-NP	United States Of America	National Patent	28 Apr 2011	13/096309	06 Jan 2015	8926826	LIQUID-FULL HYDROPROCESSING TO IMPROVE SULFUR REMOVAL USING ONE OR MORE LIQUID RECYCLE STREAMS
CH3341 -CA-PCT	Canada	PCT Application	30 Apr 2012	2834305			HYDROPROCESSING PROCESS USING UNEVEN CATALYST VOLUME DISTRIBUTION AMONG CATALYST BEDS IN LIQUID-FULL REACTORS
CH3341 -CN-PCT	China	PCT Application	30 Apr 2012	201280020793.2	29 Jun 2016	201280020793.2	HYDROPROCESSING PROCESS USING UNEVEN CATALYST VOLUME DISTRIBUTION AMONG CATALYST BEDS IN LIQUID-FULL REACTORS
CH3341 -IN-PCT	India	PCT Application	30 Apr 2012	8821/DELNP/2013	26 Sep 2018	301438	HYDROPROCESSING PROCESS USING UNEVEN CATALYST VOLUME DISTRIBUTION AMONG CATALYST BEDS IN LIQUID-FULL REACTORS
CH3341 -KR-PCT	South Korea / Republic of Korea	PCT Application	30 Apr 2012	10-2013-7031301			HYDROPROCESSING PROCESS USING UNEVEN CATALYST VOLUME DISTRIBUTION AMONG CATALYST BEDS IN LIQUID-FULL REACTORS
CH3341 -RU-PCT	Russian Federation	PCT Application	30 Apr 2012	2013153110	03 Feb 2017	2612218	HYDROPROCESSING PROCESS USING UNEVEN CATALYST VOLUME DISTRIBUTION AMONG CATALYST BEDS IN LIQUID-FULL REACTORS
CH3341 -SA-NP	Saudi Arabia	National Patent	29 Apr 2012	112330485	17 Aug 2015	4277	HYDROPROCESSING PROCESS USING UNEVEN CATALYST VOLUME DISTRIBUTION AMONG CATALYST BEDS IN LIQUID-FULL REACTORS
CH3341 -US-NP	United States Of America	National Patent	29 Apr 2011	13/097694	25 Nov 2014	8894838	HYDROPROCESSING PROCESS USING UNEVEN CATALYST VOLUME DISTRIBUTION AMONG CATALYST BEDS IN LIQUID-FULL REACTORS
CH3342 -BR-PCT	Brazil	PCT Application	21 May 2013	1120140292361			PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS
CH3342 -CA-PCT	Canada	PCT Application	21 May 2013	2873940			PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3342 -CN- PCT	China	PCT Application	21 May 2013	201380026891.1	24 Aug 2016	201380026891.1	PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS
CH3342 -IN-PCT	India	PCT Application	21 May 2013	9167/DELNP/2014			PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS
CH3342 -KR- PCT	South Korea / Republic of Korea	PCT Application	21 May 2013	10-2014-7035908			PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS
CH3342 -RU- PCT	Russian Federation	PCT Application	21 May 2013	2014152817	05 Dec 2017	2637553	PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS
CH3342 -SA-NP	Saudi Arabia	National Patent	25 May 2013	113340581	23 Jul 2015	4201	PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS
CH3342 -US-NP	United States Of America	National Patent	25 May 2012	13/480574	14 Jun 2016	9365781	PROCESS FOR DIRECT HYDROGEN INJECTION IN LIQUID FULL HYDROPROCESSING REACTORS
CH3383 -CA- PCT	Canada	PCT Application	23 Aug 2012	2847798			TWO PHASE HYDROPROCESSING PROCESS AS PRETREATMENT FOR THREE-PHASE HYDROPROCESSING PROCESS
CH3383 -CN- PCT	China	PCT Application	23 Aug 2012	201280044467.5	23 Dec 2015	201280044467.5	TWO PHASE HYDROPROCESSING PROCESS AS PRETREATMENT FOR THREE-PHASE HYDROPROCESSING PROCESS
CH3383 -IN-PCT	India	PCT Application	23 Aug 2012	1359/DELNP/2014			TWO PHASE HYDROPROCESSING PROCESS AS PRETREATMENT FOR THREE-PHASE HYDROPROCESSING PROCESS
CH3383 -KR- PCT	South Korea / Republic of Korea	PCT Application	23 Aug 2012	10-2014-7009520			TWO PHASE HYDROPROCESSING PROCESS AS PRETREATMENT FOR THREE-PHASE HYDROPROCESSING PROCESS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3383 -RU- PCT	Russian Federation	PCT Application	23 Aug 2012	2014114843	31 May 2017	2621043	TWO PHASE HYDROPROCESSING PROCESS AS PRETREATMENT FOR THREE-PHASE HYDROPROCESSING PROCESS
CH3383 -SA-NP	Saudi Arabia	National Patent	15 Sep 2012	112330853	06 Dec 2015	4527	TWO PHASE HYDROPROCESSING PROCESS AS PRETREATMENT FOR THREE-PHASE HYDROPROCESSING PROCESS
CH3383 -US-NP	United States Of America	National Patent	15 Sep 2011	13/233093	03 Feb 2015	8945372	TWO PHASE HYDROPROCESSING PROCESS AS PRETREATMENT FOR THREE-PHASE HYDROPROCESSING PROCESS
CH3388 -CN- PCT	China	PCT Application	02 Jul 2015	201580038993.4			LIQUID-FULL HYDROTREATING AND SELECTIVE RING OPENING PROCESSES
CH3388 -US-NP	United States Of America	National Patent	18 Jul 2014	14/335058	15 Dec 2015	9212323	LIQUID-FULL HYDROTREATING AND SELECTIVE RING OPENING PROCESSES
CH3429 -BR- PCT	Brazil	PCT Application	04 Nov 2013	1120150098592			PROCESSO PARA HIDROPROCESSAMENTO DE UMA ALIMENTAÇÃO DE HIDROCARBONETOS"
CH3429 -CA- PCT	Canada	PCT Application	04 Nov 2013	2888675			HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -CN- PCD	China	PCT Application Divisional	21 Apr 2017	201710265989.2			HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -CN- PCT	China	PCT Application	04 Nov 2013	201380058008.7	09 Jun 2017	201380058008.7	HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -IN-PCT	India	PCT Application	04 Nov 2013	3200/DELNP/2015			HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -KR- PCT	South Korea / Republic of Korea	PCT Application	04 Nov 2013	2015-7011506			HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -RU- PCT	Russian Federation	PCT Application	04 Nov 2013	2015121709	26 Jul 2018	2662434	HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -SA- PCT	Saudi Arabia	PCT Application	04 Nov 2013	515360385			HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3429 -US-CIP	United States Of America	Continuation -in-Part	11 Oct 2013	14/051495	22 Sep 2015	9139783	HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -US-CNT	United States Of America	Continuation	03 Aug 2015	14/816287	14 Jun 2016	9365782	HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3429 -US-NP	United States Of America	National Patent	06 Nov 2012	13/669540	13 May 2014	8721871	HYDROPROCESSING LIGHT CYCLE OIL IN LIQUID-FULL REACTORS
CH3430 -BR-PCT	Brazil	PCT Application	23 Sep 2014	1120160063716			GAS OIL HYDROPROCESS
CH3430 -CA-PCT	Canada	PCT Application	23 Sep 2014	2925239			GAS OIL HYDROPROCESS
CH3430 -CN-PCD	China	PCT Application Divisional	15 Dec 2017	201711360458.8			GAS OIL HYDROPROCESS
CH3430 -CN-PCT	China	PCT Application	23 Sep 2014	201480064069.9	12 Jan 2018	201480064069.9	GAS OIL HYDROPROCESS
CH3430 -IN-PCT	India	PCT Application	23 Sep 2014	201617009841			GAS OIL HYDROPROCESS
CH3430 -KR-PCT	South Korea / Republic of Korea	PCT Application	23 Sep 2014	10-2016-7010309			GAS OIL HYDROPROCESS
CH3430 -RU-PCT	Russian Federation	PCT Application	23 Sep 2014	2016115768	22 Aug 2018	2664798	GAS OIL HYDROPROCESS
CH3430 -SA-PCT	Saudi Arabia	PCT Application	23 Sep 2014	516370802			GAS OIL HYDROPROCESS
CH3430 -US-CNT	United States Of America	Continuation	28 Feb 2017	15/444363	26 Jun 2018	10005971	GAS OIL HYDROPROCESS
CH3430 -US-NP	United States Of America	National Patent	10 Sep 2014	14/481952	11 Apr 2017	9617485	GAS OIL HYDROPROCESS
CH3431 -BR-PCT	Brazil	PCT Application	12 Mar 2014	1120150225101			PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3431 -CA- PCT	Canada	PCT Application	12 Mar 2014	2904172			PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -CN- PCD	China	PCT Application Divisional	11 Oct 2017	201710945975.5			PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -CN- PCT	China	PCT Application	12 Mar 2014	201480015304.3	13 Oct 2017	201480015304.3	PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -IN-PCT	India	PCT Application	12 Mar 2014	7718/DELNP/2015			PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -KR- PCT	South Korea / Republic of Korea	PCT Application	12 Mar 2014	10-2015-7024657			PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -RU- PCT	Russian Federation	PCT Application	12 Mar 2014	2015143652	03 Apr 2018	2649389	PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -SA- PCD	Saudi Arabia	PCT Application Divisional	30 Jan 2017	517380812			PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3431 -SA- PCT	Saudi Arabia	PCT Application	12 Mar 2014	515361024			PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -US- CNT	United States Of America	Continuation	05 Oct 2016	15/285803	10 Oct 2017	9783746	PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3431 -US-NP	United States Of America	National Patent	13 Mar 2014	14/208258	22 Nov 2016	9499750	PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING
CH3458 -CN- PCT	China	PCT Application	28 Apr 2014	201480023574.9	17 Nov 2017	201480023574.9	IMPROVED CONTINUOUS MIXING REACTOR AND METHOD OF USE
CH3458 -US- CNT	United States Of America	Continuation	10 Jan 2017	15/402304	18 Sep 2018	10077219	IMPROVED CONTINUOUS MIXING REACTOR AND METHOD OF USE
CH3458 -US-NP	United States Of America	National Patent	25 Apr 2014	14/262167	28 Feb 2017	9580366	IMPROVED CONTINUOUS MIXING REACTOR AND METHOD OF USE
CH3534 -CN- PCT	China	PCT Application	09 Jan 2017	201780015952.2			PROCESS FOR PRODUCING DIESEL WITH LOW LEVELS OF SULFUR
CH3534 -IN-PCT	India	PCT Application	09 Jan 2017	201817027826			PROCESS FOR PRODUCING DIESEL WITH LOW LEVELS OF SULFUR
CH3534 -US-NP	United States Of America	National Patent	09 Jan 2017	15/401400			PROCESS FOR PRODUCING DIESEL WITH LOW LEVELS OF SULFUR
CH3543 -WO- PCT	International Procedure	PCT Application	14 Sep 2018	PCT/US18/51075			ALKYLATION WITH OLEFIN MIXTURES
CH3546 -WO- PCT	International Procedure	PCT Application	30 Aug 2018	PCT/US18/48803			CONVERSION OF A HYDROGEN FLUORIDE ALKYLATION UNIT TO A SULFURIC ACID ALKYLATION UNIT AND APPARATUS UTILIZED THEREIN

Case Ref	Country	Filing Type	Filing	Filing Number	Grant	Grant Number	Internal Title
CH3553 -WO- PCT	International Procedure	PCT Application	30 Aug 2018	PCT/US18/48810			SULFURIC ACID ALKYLATION REACTOR SYSTEM AND CONVERSION OF A HYDROGEN FLUORIDE ALKYLATION UNIT TO A SULFURIC ACID ALKYLATION UNIT

