

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8392169

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DUPONT INDUSTRIAL BIOSCIENCES USA, LLC	05/31/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COVATION INC.
<b>Street Address:</b>	800 PRIDES CROSSING, SUITE 201,
<b>City:</b>	NEWARK
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19713
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	6852823
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(610)640-1965
<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>	
<b>Phone:</b>	6105645800
<b>Email:</b>	mleusky@stradley.com
<b>Correspondent Name:</b>	MARYELLEN LEUSKY
<b>Address Line 1:</b>	30 VALLEY STREAM PARKWAY
<b>Address Line 2:</b>	STRADLEY RONON STEVENS & YOUNG, LLP
<b>Address Line 4:</b>	MALVERN, PENNSYLVANIA 19355
<b>ATTORNEY DOCKET NUMBER:</b>	191438-3000
<b>NAME OF SUBMITTER:</b>	MARYELLEN LEUSKY
<b>SIGNATURE:</b>	/Maryellen Leusky/
<b>DATE SIGNED:</b>	01/20/2024
<b>Total Attachments: 42</b>	
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## Patent Assignment

This PATENT ASSIGNMENT (this "**Assignment**") dated as of May 31, 2022 (the "**Effective Date**"), is entered into by and between DuPont Industrial Biosciences USA, LLC, a Delaware limited liability company located at 974 Centre Rd Wilmington, Delaware, 19805-1269 United States ("**Assignor**"), and Covation Inc., a Delaware corporation located at 800 Prides Crossing, Suite 201, Newark, DE 19713 ("**Assignee**").

### WITNESSETH:

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

**WHEREAS**, Assignor desires to transfer, assign and convey to Assignee all of Assignor's right, title and interest in and to the Transferred Patents and that Assignee accept such transfer, assignment and conveyance of such Transferred Patents.

**NOW, THEREFORE**, in consideration of the foregoing and the mutual promises and agreements contained in this Assignment, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

1. Assignment. Pursuant to and subject to the terms and conditions of this Assignment, Assignor assigns, transfers, sells and conveys to Assignee, and its successors and assigns, and Assignee hereby accepts, all of Assignor's entire right, title, and interest in and to the Transferred Patents, including the inventions claimed therein, and any reissues, reexaminations, divisionals, continuations, continuations-in-part, extensions, provisionals, substitutions and counterparts of such Transferred Patents existing as of the Effective Date, for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made, together with (A) the right to prosecute, register, maintain and defend the Transferred Patents before any public or private agency, office or registrar; (B) the right, if any, to claim priority based on the filing dates of any of the Transferred Patents under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purposes; (C) the rights to all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Transferred Patents, including the right to sue and recover damages and obtain equitable relief for past, present and future infringement, misappropriation or other violation; (D) all rights to collect income, royalties, damages and other payments now or hereafter due or payable under or on account of any of the Transferred Patents; (E) the right to fully and entirely stand in the place of Assignor in all matters related thereto and (F) all other rights corresponding thereto throughout the respective countries where Assignor holds rights in any of the Transferred Patents.

2. Cooperation. Assignor, at its own expense, will take all actions and execute and deliver all documents that are reasonably necessary or otherwise reasonably requested by Assignee to effect the terms of this Assignment and to perfect Assignee's title in and to the Transferred

Patents, including without limitation to supplement or correct any incomplete or inaccurate information contained in the current recordation of any Transferred Patent.

3. Recordation. Subject to Section 2 hereof, Assignee will be solely responsible for all actions and all costs whatsoever, including but not limited to taxes, attorneys' fees and patent office fees in any jurisdiction, associated with the perfection of Assignee's right, title and interest in and to the Transferred Patents and recordation and/or registration of this Assignment or any other document evidencing the assignment to Assignee of the Transferred Patents contemplated by this Assignment. Assignor authorizes the Commissioner for Patents in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities, to record Assignee as the assignee and owner of the Transferred Patents and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Assignment, including but not limited to issuing any and all Letters Patents of the United States (or corresponding documents in any applicable foreign countries) on inventions claimed in the Transferred Patents.

4. Governing Law. This Assignment will be governed by the laws of the State of Delaware.

5. General Provisions. This Assignment may be executed in any number of counterparts, each of which will be deemed to be an original, and all of which together will constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Assignment by facsimile or electronic mail will be as effective as delivery of a manually executed counterpart of this Assignment. This Assignment may not be supplemented, altered or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this Assignment will not waive any of its rights under such terms or provisions. This Assignment is binding upon and inures to the benefit of the parties hereto and their respective successors and assigns.

**[Remainder of this page intentionally left blank]**

IN WITNESS WHEREOF, Assignor and Assignee have caused this instrument to be executed by their respective duly authorized representatives as of the Effective Date.

**ASSIGNOR:**

DUPONT INDUSTRIAL BIOSCIENCES  
USA, LLC

By *Jon D. Kemp*  
Name: Jon D. Kemp  
Title: Authorized Representative  
and DuPont President-  
Electronics & Industrial

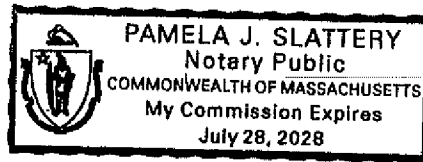
State of Massachusetts  
ss.:  
County of Middlesex )

On the 25 day of May in the year 2022 before me, the undersigned, a Notary Public in and for said State, personally appeared, Jon D Kemp personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is signed on the preceding instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which this individual acted, executed the instrument.

*Pamela Slattery*  
Notary Public

My commission expires: 7/28/28

Dated: 5/25/22



[Signature Page to Patent Assignment]

ASSIGNEE:

COVATION INC.

By Feifeng You  
Name: Feifeng You  
Title: Director

[Signature Page to Patent Assignment]

## Schedule A

## LIST OF TRANSFERRED PATENTS

Sorona PatentsPART I:

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
AD7020-US-NP	U.S.A	11-Jun-03	10/459161	16-Dec-04	US-2004-0254332-A1	5-Dec-06	7144632	ALIPHATIC-AROMATIC POLYETHERESTER COMPOSITIONS, ARTICLES, FILMS, COATING AND LAMINATES AND PROCESSES FOR PRODUCING SAME
CH2775-US-NP	U.S.A	3-Dec-03	10/727937	24-Jun-04	US-2004-0121151-A1	22-Nov-05	6967057	POLY(TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2783-MX-NP	Mexico	28-Jun-02	02/006525			31-Aug-06	239910	PROCESS FOR PREPARING PIGMENTED SHAPED ARTICLES COMPRISING POLY(TRIMETHYLENE TEREPHTHALATE)
CH2783-US-NP	U.S.A	29-Jun-01	09/895906	6-Mar-03	US-2003-0045611-A1	25-May-04	6740276	PROCESS FOR PREPARING PIGMENTED SHAPED ARTICLES COMPRISING POLY(TRIMETHYLENE TEREPHTHALATE)
CH2784-US-NP	U.S.A	27-Jun-02	10/183710	1-Jan-04	US-2004-0001950-A1	2-Aug-05	6923925	POLY (TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2807-IN-PCT	India	10-Oct-03	740/DELNP/2005	2-Oct-09	40/2009			ESTERIFICATION PROCESS
CH2807-US-NP	U.S.A	11-Oct-02	10/269734	15-Apr-04	US-2004-0072983-A1	3-May-05	6887953	ESTERIFICATION PROCESS
CH2848-US-CIP	U.S.A	18-Jun-02	10/174150	18-Sep-03	US-2003-0175476-A1	17-Aug-04	6777059	POLY(TRIMETHYLENE TEREPHTHALATE) CARPETS
CH2857-BE-EPT	Belgium	29-Apr-05	05744663.5	17-Jan-07	1743057	19-Jun-13	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-CN-PCT	China	29-Apr-05	200580013793	18-Apr-07	1950552	22-Jun-11	200580013793.X	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-DE-EPT	Germany	29-Apr-05	05744663.5	17-Jan-07	1743057	19-Jun-13	602005040058.3	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-DK-EPT	Denmark	29-Apr-05	05744663.5	17-Jan-07	1743057	19-Jun-13	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-EP-EPT	European Procedure (Patents)	29-Apr-05	05744663.5	17-Jan-07	1743057	19-Jun-13	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS

PATENT

REEL: 066356 FRAME: 0902



Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CH2857-GB-EPT	United Kingdom	29-Apr-05	05744663.5	17-Jan-07	1743057	19-Jun-13	1743057	SPINNING-POLY(TRIMETHYLENE TEREPHTHALA YARNS
CH2857-IN-PCT	India	29-Apr-05	5646/DELNP/2006	13-Jul-07	28/2007			SPINNING-POLY(TRIMETHYLENE TEREPHTHALA YARNS
CH2857-JP-PCT	Japan	29-Apr-05	520992/07	6-Dec-07	535625/07	16-Sep-11	4825198	SPINNING-POLY(TRIMETHYLENE TEREPHTHALA YARNS
CH2857-KR-PCT	South Korea	29-Apr-05	10-2006-7022528			30-Oct-13	1325836	SPINNING-POLY(TRIMETHYLENE TEREPHTHALA YARNS
CH2857-NL-EPT	Netherlands	29-Apr-05	05744663.5	17-Jan-07	1743057	19-Jun-13	1743057	SPINNING-POLY(TRIMETHYLENE TEREPHTHALA YARNS
CH2857-TR-EPT	Turkey	29-Apr-05	05744663.5	17-Jan-07	1743057	19-Jun-13	1743057	SPINNING-POLY(TRIMETHYLENE TEREPHTHALA YARNS
CH2857-TW-NP	Taiwan	29-Apr-05	094113954			11-Aug-12	1370187	SPINNING-POLY(TRIMETHYLENE TEREPHTHALA YARNS
CH2857-US-DIV	U.S.A	22-Jan-09	12/357424	21-May-09	US-2009-0130354-A1	31-Aug-10	7785709	SPINNING-POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-US-NP	U.S.A	30-Apr-04	10/836568	3-Nov-05	US-2005-0244636-A1	31-Aug-10	7785507	SPINNING-POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH3232-US-NP	U.S.A	14-Aug-08	12/191342	30-Apr-09	US-2009-0110870-A1	13-Jul-10	7754092	SOIL RESIST ADDITIVE
CH3297-US-NP	U.S.A	29-Jun-09	12/493887	30-Dec-10	US-2010-0327212-A1	8-Mar-11	7901589	PROPANEDIOL SOIL RESIST COMPOSITIONS
CL3025-BE-EPT	Belgium	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-BR-PCT	Brazil	20-Dec-06	P10621118.6			30-Jan-18	P10621118-6	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-CN-PCT	China	20-Dec-06	200680048469.6	27-Jan-10	10163428	14-Mar-12	200680048469.6	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-DE-EPT	Germany	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	602006047115.7	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-DK-EPT	Denmark	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-EP-EPT	European Procedure (Patents)	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-ES-EPT	Spain	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-FR-EPT	France	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-GB-EPT	United Kingdom	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)

PATENT

REEL: 066356 FRAME: 0903

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL3025-IN-PCT	India	20-Dec-06	4749/DELNP/2008			25-Jan-17	279585	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-IT-EPT	Italy	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	502016000003012	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-JP-PCT	Japan	20-Dec-06	547484/08	4-Jun-09	521567/09	5-Sep-14	5608326	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-KR-PCT	South Korea	20-Dec-06	10-2008-7017521			4-Apr-14	1384445	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-NL-EPT	Netherlands	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	1976999	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-TR-EPT	Turkey	20-Dec-06	06848971.5	8-Oct-08	1976999	28-Oct-15	2016/00946	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3025-US-NP	U.S.A	14-Dec-06	11/638919	16-Aug-07	US-2007-0191580-A1	12-May-09	7531617	CONTINUOUS PROCESS FOR PRODUCING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3601-US-NP	U.S.A	6-Jul-07	11/774000	17-Jan-08	US-2008-0014403-A1	20-Sep-11	8021736	SUBSTANTIALY FLAME RETARDANT-FREE 3GT CARPET
CL3879-US-NP	U.S.A	6-Aug-07	11/834248	12-Feb-09	US-2009-0043020-A1	21-Dec-10	7855244	FLAME RETARDANT POLYTRIMETHYLENE TEREPHTHALATE COMPOSITION
CL4681-US-CIP	U.S.A	13-Oct-11	13/272525	25-Oct-12	US-2012-0267822-A1	24-Sep-13	8540912	POLY(TRIMETHYLENE ARYLATE) FIBERS, PROCESS FOR PREPARING, AND FABRIC PREPARED THEREFROM
CL4682-US-CIP	U.S.A	7-Oct-11	13/269058	2-Feb-12	US-2012-0028528-A1	17-Jun-14	8753741	POLY(TRIMETHYLENE ARYLATE) FIBERS, PROCESS FOR PREPARING, AND FABRIC PREPARED THEREFROM
CL5046-AU-PCT	Australia	12-Oct-12	2012348327	10-Nov-16			2012348327	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-BE-EPT	Belgium	12-Oct-12	12855446.6	15-Oct-14	2788399	14-Sep-16	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-CN-PCT	China	12-Oct-12	201280058423.8			23-Sep-15	201280058423.8	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-DE-EPT	Germany	12-Oct-12	12855446.6	15-Oct-14	2788399	14-Sep-16	602012023150.5	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-EP-EPT	European Procedure (Patents)	12-Oct-12	12855446.6	15-Oct-14	2788399	14-Sep-16	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-FR-EPT	France	12-Oct-12	12855446.6	15-Oct-14	2788399	14-Sep-16	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS

PATENT

REEL: 066356 FRAME: 0904

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL5046-GB-EPT	United Kingdom	12-Oct-12	12855446.6	15-Oct-14	2788399	14-Sep-16	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-IN-PCT	India	12-Oct-12	3466/DELNP/2014	5-Jun-15				PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-IT-EPT	Italy	12-Oct-12	12855446.6	15-Oct-14	2788399	14-Sep-16	502016000121340	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-JP-PCT	Japan	12-Oct-12	545899/14	5-Jan-15	2015-500370	2-Dec-16	6049148	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-KR-PCT	South Korea	12-Oct-12	10-2014-7018474			21-Nov-18	10-1922756	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-NL-EPT	Netherlands	12-Oct-12	12855446.6	15-Oct-14	2788399	14-Sep-16	2788399	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5046-US-NP	U.S.A	8-Dec-11	13/314616	13-Jun-13	US-2013-0150548-A1	13-May-14	8722846	PREPARATION OF HOMOPOLYMER AND COPOLYMERS OF (PHOSPHONYL)AROMATIC DIESTERS AND ACIDS
CL5069-US-PCT	U.S.A	13-Jul-11	13/807945	2-May-13	US-2013-0108822-A1	18-Jul-17	9708505	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5072-AU-PCT	Australia	12-Oct-12	2012348328			15-Jun-17	2012348328	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-BE-EPT	Belgium	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-CN-PCT	China	12-Oct-12	201280060201	13-Aug-14	103987720	28-Dec-16	201280060201.X	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-DE-EPT	Germany	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	602012042482.6	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-DK-EPT	Denmark	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-EP-EPT	European Procedure (Patents)	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-FR-EPT	France	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-GB-EPT	United Kingdom	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-IN-PCT	India	12-Oct-12	3468/DELNP/2014	5-Jun-15		21-Aug-19	318630	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS

PATENT

REEL: 066356 FRAME: 0905

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL5072-JP-PCT	Japan	12-Oct-12	2014-545900	5-Mar-15	2015-506914	9-Jun-17	6153939	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-KR-PCT	South Korea	12-Oct-12	10-2014-7018475			9-Dec-19	10-2055734	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-NL-EPT	Netherlands	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	2788366	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-TR-EPT	Turkey	12-Oct-12	12855025.8	15-Oct-14	2788366	24-Jan-18	2018/05509	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5072-US-NP	U.S.A	8-Dec-11	13/314664	13-Jun-13	US-2013-0150612-A1	20-Aug-13	8513454	PREPARATION OF (PHOSPHONYL) AROMATIC DIESTERS AND ACIDS
CL5387-US-NP	U.S.A	27-Feb-12	13/405387	7-Mar-13	US-2013-0059023-A1	31-Mar-15	8992198	APPARATUS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5578-US-NP	U.S.A	8-Nov-11	13/291656	9-May-13	US-2013-0116389-A1	22-Jul-14	8785568	POLYMER BLEND COMPRISING FLUORINATED BLOCK COPOLYESTER
CL5579-US-NP	U.S.A	8-Nov-11	13/291673	9-May-13	US-2013-0116390-A1	15-Apr-14	8697816	POLYMER BLEND COMPRISING FLUORINATED BLOCK COPOLYESTER
CL6602-TW-NP	Taiwan	27-Jun-19	108122695					FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-BR-PCT	Brazil	23-Dec-20	112020026622-1					FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-CN-PCT	China	26-Feb-21	201980056390.5	9-Apr-21	112639183			FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-EP-EPT	European Procedure (Patents)	18-Jan-21	19746554.5	5-May-21	3814562			FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-IN-PCT	India	28-Dec-20	20217056614					FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-ID-PCT	Indonesia	28-Dec-20	P00202010714					FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-JP-PCT	Japan	25-Dec-20	2020-573031					FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-KR-PCT	Korea	26-Jan-21	10-2021-700577					FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CL6602-US-PCT	U.S.A.	14-Dec-20	17/251917	3-Jun-21	US-2021-0164131-A1			FABRICS AND SPUN YARNS COMPRISING POLYESTER STAPLE FIBER
CS0004-BR-PCT	Brazil	15-Jan-13	1120140172102					WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-CA-PCT	Canada	15-Jan-13	2861606			28-Jan-20	2861606	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME

PATENT

REEL: 066356 FRAME: 0906

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CS0004-CN-NP	China	16-Jan-12	201210012455 0.6	17-Jul-13	CN103205859A	6-Aug-14	201210012455.6	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-DE-EPT	Germany	15-Jan-13	13701543.4	26-Nov-14	2804972	2-Nov-16	602013013445.6	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-DE-ETD	Germany	29-May-15	15169778.6	2-Dec-15	2949799	1-Apr-20	2949799	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-EP-EPT	European Procedure (Patents)	15-Jan-13	13701543.4	26-Nov-14	2804972	2-Nov-16	2804972	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-EP-ETD	European Procedure (Patents)	29-May-15	15169778.6	2-Dec-15	2949799	1-Apr-20	2949799	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-FR-EPT	France	15-Jan-13	13701543.4	26-Nov-14	2804972	2-Nov-16	2804972	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-FR-ETD	France	29-May-15	15169778.6	2-Dec-15	2949799	1-Apr-20	2949799	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-GB-EPT	United Kingdom	15-Jan-13	13701543.4	26-Nov-14	2804972	2-Nov-16	2804972	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-GB-ETD	United Kingdom	29-May-15	15169778.6	2-Dec-15	2949799	1-Apr-20	2949799	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-IN-PCT	India	15-Jan-13	5469/DELNP/2014	27-Mar-15				WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-IT-EPT	Italy	15-Jan-13	13701543.4	26-Nov-14	2804972	2-Nov-16	502017000005472	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-IT-ETD	Italy	29-May-15	15169778.6	2-Dec-15	2949799	1-Apr-20	2949799	WARP KNITTING FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE
CS0004-JP-PCT	Japan	15-Jan-13	2014-553339	26-Mar-15	2015-509151	12-Jan-18	6270161	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-KR-PCT	South Korea / Republic of Korea	15-Jan-13	10-2014-7022534			11-Oct-19	10-2033427	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
CS0004-US-PCT	U.S.A	15-Jan-13	14372461	22-Jan-15	US-2015-0020546-A1	24-May-16	9347157	WARP KNITTED FABRIC COMPRISING POLYTRIMETHYLENE TEREPHTHALATE AND METHOD OF MAKING SAME
DP6670-US-NP	U.S.A	22-Aug-01	09/934904	13-Jun-02	US-2002-0071951-A1	22-Jun-04	6752945	PROCESS FOR MAKING POLYTRIMETHYLENE TEREPHTHALATE) STAPLE FIBERS
DP6676-US-DIV	U.S.A	24-Jun-02	10/178753	17-Apr-03	US-2003-0071394-A	28-Dec-04	6835339	POLY(TRIMETHYLENE TEREPHTHALATE) TETRACHANNEL CROSS-SECTION STAPLE FIBER, YARN, FIBERFILL, AND FABRICS

PATENT

REEL: 066356 FRAME: 0907

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
IN0001-BR-PCT	Brazil	12-Dec-12	112014014229-7					STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-CN-PCT	China	12-Dec-12	201280061786 0.7	20-Aug-14	103998662	13-Jun-17	201280061786.7	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-DE-EPT	Germany	12-Dec-12	12809933.0	22-Oct-14	2791404	18-Sep-19	6020120064160.6	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-EP-EPT	European Procedure (Patents)	12-Dec-12	12809933.0	22-Oct-14	2791404	18-Sep-19	2791404	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-FR-EPT	France	12-Dec-12	12809933.0	22-Oct-14	2791404	18-Sep-19	2791404	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-GB-EPT	United Kingdom	12-Dec-12	12809933.0	22-Oct-14	2791404	18-Sep-19	2791404	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-ID-PCT	Indonesia	12-Dec-12	P00201403355	7-Aug-15	2015/03311			STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-IN-PCT	India	12-Dec-12	3851/DELNP/2014					STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-IT-EPT	Italy	12-Dec-12	12809933.0	22-Oct-14	2791404	18-Sep-19	502019000104292	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-JP-PCT	Japan	12-Dec-12	2014/547382	16-Feb-15	2015-504981	18-May-18	6338249	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0001-KR-PCT	South Korea / Republic of Korea	12-Dec-12	10-2014-7019091			13-Dec-19	10-2057479	STRETCHABLE AND DIMENSIONALLY STABLE WOVEN FABRIC MADE FROM POLYTRIMETHYLE TEREPHTHALATE BASED CORE SPUN YARNS
IN0002-IN-PCT	India	9-Nov-12	3801/DELNP/2014					A STRETCHABLE FINE, WOVEN, POLYTRIMETHYLENE TEREPHTHALATE BASED FABRIC
IN0006-IN-PCT	India	13-Nov-12	3726/DELNP/2014	31-Aug-16	36/2016			WOVEN FABRIC MADE OF HIGH TWIST YARNS AND METHOD OF MANUFACTURE THEREOF
IN0026-IN-NP	India	28-Nov-06	1953/MUM/06	5-Sep-08		26-Aug-14	262495	POLYESTER STAPLE FIBER (PST) FILAMENT YARN (POY AND PTF) FOR TEXTILE APPLICATIONS
IN0032-IN-PCT	India	12-Feb-15	201617026584	31-Aug-16	36/2016	8/31/2016		A BICOMPONENT GEORGETTE FABRIC AND METHOD OF MANUFACTURE THEREOF

PATENT

REEL: 066356 FRAME: 0908

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
IN0033-IN-PCT	India	12-Feb-15	201617026227	31-Aug-16				A GEORGETTE FABRIC AND METHOD OF MANUFACTURE THEREOF
PT0064-US-NP	U.S.A	12-May-03	10/437688	27-Nov-03	US-2003-0220456-A1	17-Jun-08	7388058	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
SO0001-MX-PCT	Mexico	12-Jun-03	PA/A/2004/012 510	22-Aug-07			248250	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0001-US-NP	U.S.A	10-Jun-03	10/459829			18-May-04	6737481	ESTER-MODIFIED DICARBOXYLATE POLYMERS
SO0004-CN-PCT	China	4-Feb-04	200480009399.4	10-May-06		19-Aug-15	200480009399.4	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-DE-EPT	Germany	4-Feb-04	04708231.8	2-Nov-05	1590511	25-Jan-12	602004036264.6	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-EP-EPT	European Procedure (Patents)	4-Feb-04	04708231.8	2-Nov-05	1590511	25-Jan-12	1590511	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-IN-PCT	India	4-Feb-04	3445/DELNP/2005			16-Dec-08	226277	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-IT-EPT	Italy	4-Feb-04	04708231.8	2-Nov-05	1590511	25-Jan-12	1590511	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-JP-PCT	Japan	4-Feb-04	503359/06	30-Aug-07	524764/07	20-Aug-10	4571123	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-KR-PCT	South Korea / Republic of Korea	4-Feb-04	10-2005-7014435			30-Oct-12	1197816	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-TR-EPT	Turkey	4-Feb-04	04708231.8	2-Nov-05	1590511	25-Jan-12	1590511	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-TW-NP	Taiwan	5-Feb-04	093102618	1-Aug-10	1328053	1-Aug-10	1328053	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0004-US-NP	U.S.A	16-Sep-03	10/663295	5-Aug-04	US-2004-0151904-A1	28-Feb-06	7005093	SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0007-US-NP	U.S.A	10-Dec-03	10/733998	29-Jul-04	US-2004-0146711-A1	25-Aug-09	7578957	STAPLE FIBERS AND PROCESSES FOR MAKING SAME
SO0011-US-DIV	U.S.A	10-Sep-03	10/659530	6-May-04	US-2004-0084796-A1	25-Apr-06	7033530	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-US-NP	U.S.A	5-Nov-02	10/287975	4-Nov-03			6641916	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0012-US-NP	U.S.A	11-Jul-02	10/193498	15-Jan-04	US-2004-0009352-A1	26-Jul-05	6921803	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
SO0015-US-CIP	U.S.A	29-Nov-06	11/605662	7-Jun-07	US-2007-0128436-A1	23-Feb-10	7666501	POLY(TRIMETHYLENE TEREPHTHALATE)/POLY(ALPHA-HYDROXY ACID BICOMPONENT FILAMENTS
SO0015-US-DIV	U.S.A	6-Jan-10	12/652756	29-Apr-10	US-2010-0105841-A1	29-Nov-11	8066923	POLY(TRIMETHYLENE TEREPHTHALATE)/POLY(ALPHA-HYDROXY ACID BICONSITUENT FILAMENTS
SO0023-US-NP	U.S.A	26-Jun-03	10/607252			12-Dec-06	7147815	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0029-US-NP	U.S.A	10-Jun-04	10/865112	15-Dec-05	US-2005-0277714-A1	27-Mar-07	7196125	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0042-US-NP	U.S.A	9-Aug-05	11/199647	22-Jun-06	US-2006-0135734-A1	8-Jul-08	7396896	POLY(TRIMETHYLENE TEREPHTHALATE) COMPOSITION AND SHAPED ARTICLES PREPARED THEREFROM
SO0057-CN-PCT	China	19-Sep-06	200680042397	19-Nov-08	101310051	27-Apr-11	200680042397.4	HIGH CRIMP BICOMPONENT FIBERS
SO0057-DE-EPT	Germany	19-Sep-06	06825019.0			27-Oct-10	602006017861.1	HIGH CRIMP BICOMPONENT FIBERS
SO0057-EP-EPT	European	19-Sep-06	06825019.0			27-Oct-10	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057-GB-EPT	United Kingdom	19-Sep-06	06825019.0			27-Oct-10	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057-IN-PCT	India	19-Sep-06	2328/DELNP/2008			24-Aug-16	275139	HIGH CRIMP BICOMPONENT FIBERS
SO0057-IT-EPT	Italy	19-Sep-06	06825019.0			27-Oct-10	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057-JP-PCT	Japan	19-Sep-06	2008-532318	5-Mar-09	509065/09	25-Apr-14	5527971	HIGH CRIMP BICOMPONENT FIBERS
SO0057-KR-PCT	South Korea	19-Sep-06	10-2008-7009287			27-Sep-13	1314878	HIGH CRIMP BICOMPONENT FIBERS
SO0057-TR-EPT	Turkey	19-Sep-06	06825019.0			27-Oct-10	1937878	HIGH CRIMP BICOMPONENT FIBERS
SO0057-US-DIV	U.S.A	21-Feb-08	12/035350	19-Jun-08	US-2008-0143009-A1	24-Jun-14	8758660	HIGH CRIMP BICOMPONENT FIBERS
SO0057-US-NP	U.S.A	19-Sep-05	11/230104	22-Mar-07	US-2007-0065664-A1	15-Apr-08	7357985	HIGH CRIMP BICOMPONENT FIBERS
SO0066-CN-PCT	China	21-Dec-06	200680048045.x	7-Jan-09	101341185	7-Sep-11	200680048045.X	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS
SO0066-IN-PCT	India	21-Dec-06	4820/DELNP/2 008	15-Aug-09		24-Oct-15	269477	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
SO0066-JP-PCT	Japan	21-Dec-06	547596/08			15-Mar-13	5219836	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS
SO0066-US-NP	U.S.A	14-Dec-06	11/638917	25-Oct-07	US-2007-0249857-A1	17-Mar-09	7504474	POLY(TRIMETHYLENE TEREPHTHALATE) CONTINUOUS MANUFACTURING PROCESS
SO0068-BR-PCT	Brazil	21-Dec-06	P10621116.0			5-Dec-17	P10621116-0	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0068-CN-PCT	China	21-Dec-06	200680048439.5	7-Jan-09	101341184	15-Jun-11	200680048439.5	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0068-IN-PCT	India	21-Dec-06	4819/DELNP/2008			1-Aug-14	262135	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0068-US-NP	U.S.A	14-Dec-06	11/638978	16-Aug-07	US-2007-0191581-A1	28-Apr-09	7524921	CONTINUOUS MANUFACTURE OF POLY(TRIMETHYLENE TEREPHTHALATE)
CH2767-DE-EPT	Germany	24-Oct-02	02802462.8	25-Aug-04	1448657	29-Mar-06	60210340.1	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ETHER HARD SEGMENT
CH2767-EP-EPT	European Procedure (Patents)	24-Oct-02	02802462.8	25-Aug-04	1448657	29-Mar-06	1448657	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ETHER HARD SEGMENT
CH2767-GB-EPT	United Kingdom	24-Oct-02	02802462.8	25-Aug-04	1448657	29-Mar-06	1448657	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ETHER HARD SEGMENT
CH2767-JP-PCT	Japan	24-Oct-02	540249/03	24-Mar-05	507967/05	6-Feb-09	4255834	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ETHER HARD SEGMENT
CH2767-KR-PCT	South Korea / Republic of Korea	24-Oct-02	10-2003-7008725			14-Dec-09	0933411	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ETHER HARD SEGMENT
CH2767-US-NP	U.S.A	31-Oct-01	10/016195			13-May-03	6562457	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TETRAMETHYLENE ETHER HARD SEGMENT
CH2833-CN-PCT	China	24-Oct-02	02829455.6	3-Aug-05	1649927	5-Aug-09	02829455.6	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL

PATENT

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CH2833-DE-EPT	Germany	24-Oct-02	02807679.2	29-Jun-05	1546229	8-Feb-12	60242201.9	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833-EP-EPT	European Procedure (Patents)	24-Oct-02	02807679.2	29-Jun-05	1546229	8-Feb-12	1546229	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833-GB-EPT	United Kingdom	24-Oct-02	02807679.2	29-Jun-05	1546229	8-Feb-12	1546229	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833-JP-PCT	Japan	24-Oct-02	527523/04	24-Nov-05	535744/05	4-Apr-08	4105691	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833-KR-PCT	South Korea / Republic of Korea	24-Oct-02	10-2005-7002220			1-Sep-09	0916490	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2833-US-NP	U.S.A	9-Aug-02	10/215575	12-Feb-04	US-2004-0030060-A1	8-Feb-05	6852823	POLYURETHANE AND POLYURETHANE-UREA ELASTOMERS FROM POLYTRIMETHYLENE ETHER GLYCOL
CH2858-DE-EPT	Germany	24-Oct-02	02776283.0	28-Jul-04	1440191	14-Mar-12	60242409.7	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858-EP-EPT	European Procedure (Patents)	24-Oct-02	02776283.0	28-Jul-04	1440191	14-Mar-12	1440191	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858-GB-EPT	United Kingdom	24-Oct-02	02776283.0	28-Jul-04	1440191	14-Mar-12	1440191	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858-JP-PCT	Japan	24-Oct-02	540425/03	24-Mar-05	507972/05	14-Mar-08	4094549	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CH2858-KR-PCT	South Korea / Republic of Korea	24-Oct-02	10-2003-7008723			23-Jun-10	0967275	POLYETHER ESTER ELASTOMER COMPRISING POLYTRIMETHYLENE ETHER ESTER SOFT SEGMENT AND TRIMETHYLENE ESTER HARD SEGMENT
CL1482-US-NP	U.S.A	15-Dec-00	09/738688	17-Jan-02	US-2002-0007043-A1	20-Dec-05	6977291	PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF
CL3269-DE-EPT	Germany	19-Jan-07	07718321.8	1-Oct-08	1973962	27-Apr-11	60200701417 9.6	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL3369-EP-EPT	European Procedure (Patents)	19-Jan-07	07718321.8	1-Oct-08	1973962	27-Apr-11	1973962	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3369-GB-EPT	United Kingdom	19-Jan-07	07718321.8	1-Oct-08	1973962	27-Apr-11	1973962	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3369-JP-PCT	Japan	19-Jan-07	551399/08	25-Jun-09	523894/09	20 Apr 2012	4976422	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3369-KR-PCT	South Korea	19-Jan-07	10-2008-7020232			4-Mar-14	1372767	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3369-TW-NP	Taiwan	19-Jan-07	096102111			21-Dec-13	1419910	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3369-US-CIP	U.S.A	15-Nov-06	11/599861	26-Jul-07	US-2007-0173669-A1	17-Jun-08	7388115	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3369-US-NP	U.S.A	20-Jan-06	11/336004			16-Jan-07	7164046	MANUFACTURE OF POLYTRIMETHYLENE ETHER GLYCOL
CL3323-DE-EPT	Germany	2-Nov-07	07861685.1	8-May-09	2084211			POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-EP-EPT	European Procedure (Patents)	2-Nov-07	07861685.1	8-May-09	2084211	27-May-20	2084211	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-ES-EPT	Spain	2-Nov-07	07861685.1	8-May-09	2084211	27-May-20	2084211	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-FR-EPT	France	2-Nov-07	07861685.1	8-May-09	2084211			POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-GB-EPT	United Kingdom	2-Nov-07	07861685.1	8-May-09	2084211			POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-IT-EPT	Italy	2-Nov-07	07861685.1	8-May-09	2084211	27-May-20	50202000079930	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-JP-PCT	Japan	2-Nov-07	535342/09	25-Mar-10	509408/10	16-Nov-12	5131936	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-KR-PCT	South Korea	2-Nov-07	10-2009-7009773			13-Apr-15	1513312	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3323-US-DIV	U.S.A	23-Jun-10	12/821557	14-Oct-10	US-2010-0261932-A1	24-Jun-14	8759565	POLYTRIMETHYLENE ETHER GLYCOL ESTERS
CL3345-CN-PCT	China	31-Oct-08	200880114455.9	22-Sep-10	101842413	28-Nov-12	200880114455.9	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF
CL3345-DE-EPT	Germany	31-Oct-08	08843854.4	14-Jul-10	2205659	4-Jun-14	602008032623.3	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF
CL3345-EP-EPT	European Procedure (Patents)	31-Oct-08	08843854.4	14-Jul-10	2205659	4-Jun-14	2205659	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL3745-US-NP	U.S.A	31-Oct-08	12/262609	7-May-09	US-2009-0118464-A1	27-Mar-12	8143371	PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL OR COPOLYMERS THEREOF
CL3987-DE-EPT	Germany	9-Oct-07	07839413.7	21-Jul-10	2207521	29-Apr-15	602007041272.2	DEODORANT COMPOSITIONS
CL3987-EP-EPT	European Procedure (Patents)	9-Oct-07	07839413.7	21-Jul-10	2207521	29-Apr-15	2207521	DEODORANT COMPOSITIONS
CL3987-GB-EPT	United Kingdom	9-Oct-07	07839413.7	21-Jul-10	2207521	29-Apr-15	2207521	DEODORANT COMPOSITIONS
CL3987-KR-PCT	South Korea	9-Oct-07	10-2010-7010060			19-Nov-14	1465290	DEODORANT COMPOSITIONS
CL3987-US-NP	U.S.A	9-Oct-07	11/869056	9-Apr-09	US-2009-0092569-A1	14-Feb-12	8114423	DEODORANT COMPOSITIONS
CL4282-CN-PCT	China	5-May-09	200980116291.8	13-Apr-11	102015864	11-Dec-13	200980116291.8	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-DE-EPT	Germany	5-May-09	09743429.4			16-Jul-14	602009025336.0	PLASTICIZERS COMPRISING
CL4282-EP-EPT	European Procedure (Patents)	5-May-09	09743429.4			16-Jul-14	2274374	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-GB-EPT	United Kingdom	5-May-09	09743429.4			16-Jul-14	2274374	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-JP-PCT	Japan	5-May-09	508590/11	18-Sep-13		14-Jun-13	5292463	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-KR-PCT	South Korea	5-May-09	10-2010-7027384			29-Dec-16	10-1693051	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-TW-NP	Taiwan	7-May-09	098115178			21-Sep-14	1453252	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4282-US-NP	U.S.A	5-May-09	12/435609	12-Nov-09	US-2009-0281220-A1	10-Sep-13	8530558	PLASTICIZERS COMPRISING POLY(TRIMETHYLENE ETHER) GLYCOL ESTERS
CL4502-KR-PCT	South Korea	3-Nov-10	10-2012-7014223			18-Aug-17	10-1771269	METHODS AND COMPOSITIONS FOR EXTRACTING FLAVOR AND FRAGRANCE COMPOUNDS AND SOLUBILIZING ESSENTIAL OILS
CL4502-US-DIV	U.S.A	13-Jun-13	13/917025	17-Oct-13	US-2013-0273184-A1	9-Jun-15	9051534	METHODS AND COMPOSITIONS FOR EXTRACTING FLAVOR AND FRAGRANCE COMPOUNDS AND SOLUBILIZING ESSENTIAL OILS
CL4502-US-NP	U.S.A	3-Nov-10	12/938452	10-Nov-11	US-2011-0274630-A1	16-Jul-13	8486458	METHODS AND COMPOSITIONS FOR EXTRACTING FLAVOR AND FRAGRANCE COMPOUNDS AND SOLUBILIZING ESSENTIAL OILS
CL4557-CN-PCT	China	17-Dec-10	201080058454.4	12-Sep-12	102666651	10-Sep-14	201080058454.4	PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL4557-DE-EPT	Germany	17-Dec-10	10842645.3	31-Oct-12	2516505	17-Sep-14	602010019077.3	PROCESSES FOR PRODUCING POLYTRIMETHYLE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557-EP-EPT	European Procedure (Patents)	17-Dec-10	10842645.3	31-Oct-12	2516505	17-Sep-14	2516505	PROCESSES FOR PRODUCING POLYTRIMETHYLE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557-GB-EPT	United Kingdom	17-Dec-10	10842645.3	31-Oct-12	2516505	17-Sep-14	2516505	PROCESSES FOR PRODUCING POLYTRIMETHYLE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557-JP-PCT	Japan	17-Dec-10	546078/12	2-May-13	515144/13	20-Mar-15	5714027	PROCESSES FOR PRODUCING POLYTRIMETHYLE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557-KR-PCT	South Korea	17-Dec-10	10-2012-7019201			24-Oct-17	10-1791711	PROCESSES FOR PRODUCING POLYTRIMETHYLE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4557-US-NP	U.S.A	17-Dec-10	12/971311	23-Jun-11	US-2011-0152498-A1	1-Jan-13	8344098	PROCESSES FOR PRODUCING POLYTRIMETHYLE ETHER GLYCOL AND COPOLYMERS THEREOF
CL4620-US-DIV	U.S.A	31-Aug-12	13/600884	20-Dec-12	US-2012-0322907-A1	31-Dec-13	8618184	POLYURETHANE FOAMS CONTAINING BRANCHED POLY(TRIMETHYLE ETHER) POLYOLS
CL4620-US-NP	U.S.A	29-Aug-11	13/220030	6-Sep-12	US-2012-0225964-A1	3-Feb-15	8946485	BRANCHED POLY(TRIMETHYLE ETHER) POLYOLS
CL4879-US-NP	U.S.A	14-Mar-11	13/047103	15-Sep-11	US-2011-0224307-A1	28-Apr-15	9018263	ANTIMICROBIAL COMPOSITIONS COMPRISING TRIMETHYLENE GLYCOL OLIGOMER AND METHODS OF USING THE COMPOSITIONS
CL5339-CN-PCT	China	23-Apr-12	201280018894.6	1-Jan-14	103492460	11-May-16	201280018894.6	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-DE-EPT	Germany	23-Apr-12	1277/6683.0	5-Mar-14	27/02089	5-Apr-17	602012030813.3	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-EP-EPT	European Procedure (Patents)	23-Apr-12	1277/6683.0	5-Mar-14	27/02089	5-Apr-17	27/02089	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-JP-PCT	Japan	23-Apr-12	508465/14	7-Aug-14	518852/14	20-May-16	5936244	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-KR-PCT	South Korea	23-Apr-12	10-2013-7030902			10-Dec-18	10-1929604	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL5339-US-NP	U.S.A	23-Apr-14	13/453536	1-Nov-12	US-2012-0277478-A1	11-Nov-14	8884073	PROCESSES FOR PREPARING POLYTRIMETHYLENE ETHER GLYCOL
CL6072-US-PCN	U.S.A	4-Apr-19	16/375463	1-Aug-19	US-2019-0233615-A1	12-Oct-21	1114628	PLASTICIZERS POLYAMIDE COMPOSITIONS
CL6072-US-PCN/21	U.S.A	14-Sep-21	17/474574	30-Dec-21	US-2021-0403675-A1			PLASTICIZERS POLYAMIDE COMPOSITIONS
SO0008-CN-PCT	China	4-Aug-03	03819216.0	28-Sep-05	1675285	11-Nov-09	03819216.0	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-DE-EPT	Germany	4-Aug-03	03784903.1	19-Feb-04	1546234	7-Jan-09	603257745.3	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
SO0008-DE-ETD	Germany	10-Jul-08	08012475.3	17-Dec-08	2014696	29-Jun-11	60337598.7	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-EP-EPT	European Procedure (Patents)	4-Aug-03	03784903.1	19-Feb-04	1546234	7-Jan-09	1546234	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-EP-ETD	European Procedure (Patents)	10-Jul-08	08012475.3	17-Dec-08	2014696	29-Jun-11	2014696	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-GB-EPT	United Kingdom	4-Aug-03	03784903.1	19-Feb-04	1546234	7-Jan-09	1546234	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-GB-ETD	United Kingdom	10-Jul-08	08012475.3	17-Dec-08	2014696	29-Jun-11	2014696	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-JP-PCT	Japan	4-Aug-03	527738/04	24-Nov-05	535747/05	5-Nov-10	4619785	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-KR-PCT	South Korea	4-Aug-03	10-2005-7002221			1-Jun-10	0962982	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-US-CNT11	U.S.A	13-Jun-07	11/818502	3-Jan-08	US-2008-0004403-A1	2-Mar-10	7671172	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0008-US-DIV	U.S.A	17-Jun-09	12/486255	8-Oct-09	US-2009-0253889-A1	22-Feb-11	7893158	POLY(TRIMETHYLENE-ETHYLENE ETHER) GLYCOLS
SO0017-CN-PCT	China	5-May-04	200480019324.4	9-Aug-06	1816512	1-Apr-09	200480019324.4	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-DE-EPT	Germany	5-May-04	04751436.9	1-Feb-06	1620380	28-Dec-11	602004035884.3	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-DE-ETD	Germany	8-Apr-11	11161761.9	30-Nov-11	2390278	27-Mar-13	2390278	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-EP-EPT	European Procedure (Patents)	5-May-04	04751436.9	1-Feb-06	1620380	28-Dec-11	1620380	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-EP-ETD	European Procedure (Patents)	8-Apr-11	11161761.9	30-Nov-11	2390278	27-Mar-13	2390278	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-JP-PCT	Japan	5-May-04	532801/06	25-Jan-07	501325/07	23-Aug-13	5345758	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-KR-PCT	South Korea	5-May-04	10-2005-7020962			4-Jan-12	1105072	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
SO0017-TW-NP	Taiwan	6-May-04	093112806	21-May-12		21-May-12	1364319	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-US-CIP	U.S.A	3-Aug-07	11/833453	29-Nov-07	US-2007-0276164-A1	29-Jun-10	7745668	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-US-DIV	U.S.A	10-Nov-05	11/271299	30-Mar-06	US-2006-0069290-A1	13-Nov-07	7294746	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0017-US-NP	U.S.A	5-Aug-03	10/634687	11-Nov-04	US-2004-0225162-	7-Mar-06	7009082	PROCESSES FOR REMOVAL OF COLOR BODIES FROM POLYTRIMETHYLENE ETHER GLYCOL POLYMERS
SO0021-CN-PCT	China	5-May-04	200480019439.3	16-Aug-06	1820040	12-Jan-11	200480019439.3	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021-DE-EPT	Germany	5-May-04	04751435.1	1-Feb-06	1620489	14-Sep-11	602004034341.2	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021-EP-EPT	European Procedure (Patents)	5-May-04	04751435.1	1-Feb-06	1620489	14-Sep-11	1620489	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021-JP-PCT	Japan	5-May-04	532800/06	25-Jan-07	501324/07	6-Jan-12	4898444	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021-KR-PCT	South Korea / Republic of Korea	5-May-04	10-2005-7020966			4-Jan-12	1105044	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021-TW-NP	Taiwan	6-May-04	093112823	1-Mar-12		1-Mar-12	1359160	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021-US-CIP	U.S.A	12-Aug-04	10/918079	27-Jan-05	US-2005-0020805-A1	29-Jan-08	7323539	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0021-US-DIV	U.S.A	4-Dec-07	11/950181	24-Jul-08	US-2008-0177024-A1	12-Jan-10	7645853	POLYTRIMETHYLENE ETHER GLYCOL WITH EXCELLENT QUALITY FROM BIOCHEMICALLY-DERIVED 1,3-PROPANEDIOL
SO0045-DE-EPT	Germany	11-May-07	07809071.9	25-Feb-09	2026758	7-Dec-16	602007049064.2	PERSONAL CARE COMPOSITIONS
SO0045-EP-EPT	European Procedure (Patents)	11-May-07	07809071.9	25-Feb-09	2026758	7-Dec-16	2026758	PERSONAL CARE COMPOSITIONS

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
SO0045-GB-EPT	United Kingdom	11-May-07	07809071.9	25-Feb-09	2026758	7-Dec-16	2026758	PERSONAL CARE COMPOSITIONS
SO0045-JP-PCT	Japan	11-May-07	510995/09	29-Oct-09	537527/09	2-May-13	5258756	PERSONAL CARE COMPOSITIONS
SO0045-KR-PCT	South Korea / Republic of Korea	11-May-07	10-2008-7030581			15-Jul-14	1421749	PERSONAL CARE COMPOSITIONS
SO0045-US-DIV	U.S.A	9-Mar-09	12/400309	2-Jul-09	US-2009-0169500-A1	4-Oct-11	8029812	PERSONAL CARE COMPOSITIONS
SO0045-US-NP	U.S.A	11-May-07	11/801872	22-Nov-07	US-2007-0269392-A1	8-Dec-09	7628999	PERSONAL CARE COMPOSITIONS
CL1873-CN-PCT	China	12-Jun-03	03819324.8	28-Sep-05	1675282	26-May-10	03819324.8	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL1873-JP-PCT	Japan	12-Jun-03	513358/04	6-Oct-05	530000/05	4-Sep-09	4368791	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL1873-KR-PCT	South Korea / Republic of Korea	12-Jun-03	10-2004-7020336			23-Jun-10	0967289	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL1873-US-NP	U.S.A	14-Jun-02	10/171924	18-Dec-03	US-2003-0232959-A1	2-Dec-03	6656577	PROCESS FOR MAKING POLY(ETHYLENE-CO-ISOSORBIDE) TEREPHTHALATE POLYMER
CL6657-AU-PCT	Australia	8-Dec-20	2020402757					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-BR-PCT	Brazil	8-Dec-20	PCT/US20/63758					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-CA-PCT	Canada	8-Dec-20	3152951					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-CN-PCT	China	8-Dec-20	PCT/US20/63758					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-EP-EPT	European Procedure (Patents)	8-Dec-20	20829263.1					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-IN-PCT	India	8-Dec-20	PCT/US20/62578					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-ID-PCT	Indonesia	8-Dec-20	PCT/US20/62578					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-JP-PCT	Japan	8-Dec-20	PCT/US20/62578					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-KR-PCT	Korea	8-Dec-20	PCT/US20/62578					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6657-MX-PCT	Mexico	8-Dec-20	PCT/US20/62578					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-TW-NP	Taiwan	8-Dec-20	109143177					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT FIBERS
CL6657-US-PCT	U.S.A.	8-Dec-20	17/635873					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-VN	Vietnam	8-Dec-20	PCT/US20/62578					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT
CL6657-WO-PCT	International Procedure	8-Dec-20	PCT/US20/63758					CARPET MADE FROM SELF-BULKING PTT-CONTAINING BICOMPONENT FIBERS
CL6666-TW-NP	Taiwan	18-Jun-21	110122380					A METHOD TO MAKE BICOMPONENT FIBERS
CL6666-WO-PCT	International Procedure	14-Jun-21	PCT/US21/37159					ARTICLES COMPRISING THE SAME
CL5100-MX-PCT	Mexico	01-Mar-12	MXA2013009928			12-Sep-16	342036	A METHOD TO MAKE BICOMPONENT FIBERS AND ARTICLES COMPRISING THE SAME Process For Preparing Pellets Of Poly (Trimethylene Terephthalate)

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**PART II:**

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL5652-CN-PCT	China	20 May 2020	202010430189.3	25 Aug 2020	111574696			POLYESTERS AND FIBERS MADE THEREFROM
CL6072-EP-ETD	European Procedure (Patents)	8-Jun-21	21178385.7					PLASTICIZERS POLYAMIDE COMPOSITIONS
CL6072-KR-PCT	South Korea	9-Jun-21	10-2021-7017647					PLASTICIZERS POLYAMIDE COMPOSITIONS
CL5226-AU-PCT	Australia	28-Dec-11	2011352244			29-Sep-16	2011352244	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-BE-EPT	Belgium	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-CH-EPT	Switzerland	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-DE-EPT	Germany	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	602011018364.8	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-DK-EPT	Denmark	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-EP-EPT	European Procedure (Patents)	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND

CL5226-FR-EPT	France	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-GB-EPT	United Kingdom	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-NL-EPT	Netherlands	28-Dec-11	11852654.0	6-Nov-13	2659036	29-Jul-15	2659036	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5226-US-NP	U.S.A.	28-Dec-11	13/338360	3-Jan-13	US-2013-0005922	29-Oct-13	8568874	FIBERS AND YARNS FROM A FLUORINATED POLYESTER BLEND
CL5045-AU-PCT	Australia	28-Dec-11	2011352161			2-Feb-17	2011352161	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045-DE-EPT	Germany	28-Dec-11	11852676.3	6-Nov-13	2659040	1-Mar-17	602011035558.9	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045-EP-EPT	European Procedure (Patents)	28-Dec-11	11852676.3	6-Nov-13	2659040	1-Mar-17	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045-ES-EPT	Spain	28-Dec-11	11852676.3	6-Nov-13	2659040	1-Mar-17	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045-FR-EPT	France	28-Dec-11	11852676.3	6-Nov-13	2659040	1-Mar-17	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045-GB-EPT	United Kingdom	28-Dec-11	11852676.3	6-Nov-13	2659040	1-Mar-17	2659040	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045-IT-EPT	Italy	28-Dec-11	11852676.3	6-Nov-13	2659040	1-Mar-17	502017000052666	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5045-US-NP	U.S.A.	28-Dec-11	13/338326	3-Jan-13	US-2013-0005207	18-Nov-14	88889256	A FABRIC PREPARED FROM FLUORINATED POLYESTER BLEND YARNS
CL5330-AU-PCT	Australia	28-Dec-11	2011352246			20-Oct-16	2011352246	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330-BE-EPT	Belgium	28-Dec-11	11853485.8	6-Nov-13	2659037	26-Jul-17	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330-DE-EPT	Germany	28-Dec-11	11853485.8	6-Nov-13	2659037	26-Jul-17	602011040031.2	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330-EP-EPT	European Procedure (Patents)	28-Dec-11	11853485.8	6-Nov-13	2659037	26-Jul-17	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330-FR-EPT	France	28-Dec-11	11853485.8	6-Nov-13	2659037	26-Jul-17	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330-GB-EPT	United Kingdom	28-Dec-11	11853485.8	6-Nov-13	2659037	26-Jul-17	2659037	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330-KR-PCT	Korea	28-Dec-11	10-2013-7019829			10-Jul-18	10-1879008	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND
CL5330-US-NP	U.S.A.	28-Dec-11	13/338369	3-Jan-13	US-2013-0004701	28-Apr-15	9017788	CARPETS PREPARED FROM YARNS COMPRISING A FLUORINATED POLYESTER BLEND

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CH2783-CA-NP	Canada	25-Jun-02	2391431			17-Aug-10	2391431	PROCESS FOR PREPARING PIGMENTED SHAPED ARTICLES COMPRISING POLY(TRIMETHYLENE TEREPHTHALATE)
CL3601-CA-PCT	Canada	11-Jul-07	2655183			23-Aug-16	2655183	SUBSTANTIALLY FLAME RETARDANT-FREE 3G1 CARPET
CL3601-CN-PCT	China	11-Jul-07	200780026176.2			5-Sep-12	200780026176.2	SUBSTANTIALLY FLAME RETARDANT-FREE 3G1 CARPET
CL3601-DK-EPT	Denmark	11-Jul-07	7836045.0	1-Apr-09	2041362	23-Aug-17	2041362	SUBSTANTIALLY FLAME RETARDANT-FREE 3G1 CARPET
CL3601-MX-PCT	Mexico	11-Jul-07	MX/A/2009/000353			16-Dec-14	326355	SUBSTANTIALLY FLAME RETARDANT-FREE 3G1 CARPET
PT0064-CN-PCT	China	13-May-03	3816023.4	7-Sep-05	1665882	9-Apr-08	389560	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-DE-EPT	Germany	13-May-03	3724571.9	9-Feb-05	1504059	21-Jun-06	60306368.3	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-EP-EPT	European Procedure (Patents)	13-May-03	3724571.9	9-Feb-05	1504059	21-Jun-06	1504059	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
PT0064-JP-PCT	Japan	13-May-03	503558/04	25-Aug-05	525448/05	4-Dec-09	4417834	POLYESTER BLEND COMPOSITIONS AND BIODEGRADABLE FILMS PRODUCED THEREFROM
CL5009-AU-PCT	Australia	28-Dec-11	2011352160			3-Dec-15	2011352160	FLUORINATED POLYESTER BLEND
CL5009-BE-EPT	Belgium	28-Dec-11	11853227.4	6-Nov-13	2658923	1-Feb-17	2658923	FLUORINATED POLYESTER BLEND
CL5009-DE-EPT	Germany	28-Dec-11	11853227.4	6-Nov-13	2658923	1-Feb-17	602011034836.1	FLUORINATED POLYESTER BLEND
CL5009-EP-EPT	European Procedure (Patents)	28-Dec-11	11853227.4	6-Nov-13	2658923	1-Feb-17	2658923	FLUORINATED POLYESTER BLEND
CL5009-FR-EPT	France	28-Dec-11	11853227.4	6-Nov-13	2658923	1-Feb-17	2658923	FLUORINATED POLYESTER BLEND
CL5009-GB-EPT	United Kingdom	28-Dec-11	11853227.4	6-Nov-13	2658923	1-Feb-17	2658923	FLUORINATED POLYESTER BLEND
CL5009-NL-EPT	Netherlands	28-Dec-11	11853227.4	6-Nov-13	2658923	1-Feb-17	2658923	FLUORINATED POLYESTER BLEND
CL5009-KR-PCT	Korea	28-Dec-11	10-2013-7019826			26-Apr-18	10-1854488	FLUORINATED POLYESTER BLEND
CL5009-US-NP	U.S.A.	28-Dec-11	13/338310	3-Jan-13	US-2013-0005921	8-Jul-14	8772420	FLUORINATED POLYESTER BLEND
SO0023-CN-PCT	China	23-Jun-03	3814823.4	31-Aug-05	1662683	7-Nov-12	3814823.4	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023-EP-EPT	European Procedure (Patents)	23-Jun-03	3814567.8	21-Sep-05	1576211	25-May-16	1576211	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS

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SO0023-ID-DIV	Indonesia	16-Jul-08	W00200802351			8-Feb-20	IDP000049459	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023-IN-PCT	India	23-Jun-03	3429/DELNP/2004			13-Jun-17	284179	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023-KR-PCT	Korea	27-Jun-03	10-2004-7021032			10-Nov-11	1084480	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
SO0023-TW-NP	Taiwan	27-Jun-03	92117691	21-Dec-08	1304448	21-Dec-08	1304448	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBER PROCESS
CL5069-DK-EPT	Denmark	13-Jul-11	11746059.2	22-May-13	2593522	2-Sep-15	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069-CN-NP	China	14-Jul-10	201010229883.5	1-Feb-12	102337677	19-Mar-14	201010229883.5	SURFACE TREATMENT OF POLYESTER-BASED FIBROUS SUBSTRATE
CL5069-EP-EPT	European Procedure (Patents)	13-Jul-11	11746059.2	22-May-13	2593522	2-Sep-15	2593522	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
CL5069-IN-PCT	India	13-Jul-11	10750/DELNP/2012			28-Nov-18	303652	SURFACE COATED POLYESTER-BASED FIBROUS SUBSTRATE
SO0012-DE-EPT	Germany	23-Jun-03	3742167.4	2-May-05	1534492	17-Nov-10	60334999.4	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012-EP-EPT	European Procedure (Patents)	23-Jun-03	3742167.4	2-May-05	1534492	17-Nov-10	1534492	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012-IN-PCT	India	23-Jun-03	3430/DELNP/2004			15-Mar-13	255689	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012-JP-DIV	Japan	21-Aug-09	191957/09	10-Dec-09	287162/09	9-Sep-11	4820894	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012-JP-DIV11	Japan	21-Aug-09	191958/09	10-Dec-09	287163/09	9-Sep-11	4820895	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012-JP-PCT	Japan	23-Jun-03	521485/04	27-Oct-05	532487/05	3-Sep-10	4578969	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012-KR-PCT	Korea	23-Jun-03	10-2004-7021033			14-Jun-11	1043149	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
SO0012-TW-NP	Taiwan	27-Jun-03	92117671	11-Dec-09	1318252	11-Dec-09	1318252	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS, THEIR MANUFACTURE AND USE
CL5100-TH-PCT	Thailand	1-Mar-12	1301004866	14-Mar-16				PROCESS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0015-CN-PCT	China	1-Dec-06	200680045602.2	10-Dec-08	101321828	4-Jul-12	200680045602.2	POLY(TRIMETHYLENE TEREPHTHALATE)/POLY(ALPHA-HYDROXY ACID) BICONSITUENT FILAMENTS
SO0011-CN-PCT	China	23-Jun-03	03814821.8			17-Oct-07	03814821.8	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-DE-EPT	Germany	23-Jun-03	3811185.2	3-Aug-05	1558797	13-Jan-10	60330986.0	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS

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SO0011-EP-EPT	European Procedure (Patents)	23-Jun-03	3811185.2	3-Aug-05	1558797	13-Jan-10	1558797	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-IN-PCT	India	23-Jun-03	3426/DELNP/2004			19-Jan-15	264743	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-JP-PCT	Japan	23-Jun-03	551414/04	16-Feb-06	505712/06	22-May-09	4313312	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
SO0011-KR-PCT	Korea	23-Jun-03	10-2004-7021034			27-Jun-12	1162372	POLY(TRIMETHYLENE TEREPHTHALATE) BICOMPONENT FIBERS
CL5387-CN-PCT	China	1-Mar-12	201280011109.4	20-Nov-13	103402721	22-Mar-17	201280011109.4	APPARATUS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
CL5387-TH-PCT	Thailand	1-Mar-12	1301004867	14-Mar-16	150570			APPARATUS FOR PREPARING PELLETS OF POLY(TRIMETHYLENE TEREPHTHALATE)
SO0029-EP-EPT	European Procedure (Patents)	8-Jun-05	05784957.2	21-Feb-07	1753809	7-Nov-12	1753809	POLY(TRIMETHYLENE TEREPHTHALATE) FIBER USEFUL IN HIGH-UV EXPOSURE END USES
SO0029-IN-PCT	India	8-Jun-05	6560/DELNP/2006			14-Jul-14	261769	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029-KR-PCT	Korea	8-Jun-05	10-2006-7025862			21-Feb-13	1238117	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
SO0029-TW-NP	Taiwan	10-Jun-05	94119341			1-Jan-13	1381080	POLY(TRIMETHYLENE TEREPHTHALATE) FIBERS USEFUL IN HIGH-UV EXPOSURE END USES
CH2784-CN-PCT	China	23-Jun-03	03814844.X			26-May-10	03814844.X	POLY(TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784-IN-PCT	India	23-Jun-03	3432/DELNP/2004			16-Apr-12	251900	POLY(TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
CH2784-TW-NP	Taiwan	27-Jun-03	921117689			11-Apr-11	1340185	POLY(TRIMETHYLENE DICARBOXYLATE) FIBERS, THEIR MANUFACTURE AND USE
AD7020-CN-PCT	China	10-Jun-04	200480022043.4			9-Sep-09	200480022043.4	ALIPHATIC-AROMATIC POLYETHERESTER COMPOSITIONS, ARTICLES, FILMS, COATING AND LAMINATES AND PROCESSES FOR PRODUCING SAME
CH2756-JP-PCD	Japan	25-Dec-12	281245/12	28-Mar-13	0571162/13	23-May-14	5547270	PARTIALLY ORIENTED POLY(TRIMETHYLENE TEREPHTHALATE) YARN
SO0001-CN-PCT	China	12-Jun-03	3819333.7	28-Sep-05	1675265	9-Apr-08	3819333.7	ESTER-MODIFIED DICARBOXYLATE POLYMERS

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Technology Patents

PART I:

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL1501-US-PCT	U.S.A.	27-Mar-01	10/204127	20-Mar-03	US-2003-0055271-A1	7-Jun-11	7956203	PROCESSES FOR PREPARING DIACIDS, DIALDEHYDES AND POLYMERS
CL5625-CA-PCT121	Canada	30-Mar-13	2869121			14-Jul-20	2869121	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-CN-PCDD121	China	9-Oct-17	201710933585.6	2-Feb-18	107652419	20-Jul-21	201710933585	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-CN-PCT121	China	30-Mar-13	201380018102.X	17-Dec-14	104220482	7-Nov-17	201380018102.6	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-DE-EPT121	Germany	30-Mar-13	13716920.7	4-Feb-15	2831137	7-Mar-18	602013033998.8	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-EP-EPT121	European Procedure (Patents)	30-Mar-13	13716920.7	4-Feb-15	2831137	7-Mar-18	2831137	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-EP-ETD121	European Procedure (Patents)	22-Jan-18	18152798.7	5-Sep-18	3369846			POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-FR-EPT121	France	30-Mar-13	13716920.7	4-Feb-15	2831137	7-Mar-18	2831137	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-GB-EPT121	United Kingdom	30-Mar-13	13716920.7	4-Feb-15	2831137	7-Mar-18	2831137	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-JP-PCT121	Japan	30-Mar-13	2015-503667	18-May-15	2015-514151	5-Jan-18	6268161	POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-MX-PCT121	Mexico	30-Mar-13	MX/a/2014/011546					POLYESTERS AND ARTICLES MADE THEREFROM
CL5625-US-PCDD121	U.S.A.	17-Sep-14	14/488373	1-Jan-15	US-2015-0001213-A1			NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-AU-PCDD121	Australia	1-Jun-20	2020203599					NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-CA-PCT	Canada	18-Dec-14	2932931					NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-CN-PCDD	China	11-Jun-19	201910501181.9	13-Sep-19	110229478	25-Jan-22	201910501181.9	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-

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CL5637-CN-PCT	China	18-Dec-14	201480069895.2	10-Aug-16	105849188	9-Jul-19	201480069895.2	FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-EP-EPT	European Procedure (Patents)	18-Dec-14	14828610.7	26-Oct-16	3083800	9-Dec-20	3083800	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-EP-ETD	European Procedure (Patents)	3-Nov-20	20205403.7	26-Oct-16	3083800	9-Dec-20	3083800	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-FR-EPT	European Procedure (Patents)	18-Dec-14	14828610.7	26-Oct-16	3083800	9-Dec-20	3083800	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-DE-EPT	European Procedure (Patents)	18-Dec-14	14828610.7	26-Oct-16	3083800	9-Dec-20	602014073242.9	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-IT-EPT	European Procedure (Patents)	18-Dec-14	14828610.7	26-Oct-16	3083800	9-Dec-20	502021000015761	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-NL-EPT	European Procedure (Patents)	18-Dec-14	14828610.7	26-Oct-16	3083800	9-Dec-20	3083800	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-CH-EPT	European Procedure (Patents)	18-Dec-14	14828610.7	26-Oct-16	3083800	9-Dec-20	3083800	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-GB-EPT	European Procedure (Patents)	18-Dec-14	14828610.7	26-Oct-16	3083800	9-Dec-20	3083800	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-JP-PCT	Japan	18-Dec-14	2016-541166				6707030	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL5637-KR- PCT	South Korea / Republic of Korea	18-Dec-14	10-2016-7019222			14-Jan-21	10-2205169	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-MX- PCT	Mexico	18-Dec-14	MX/a/2016/008050					NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5637-US- PCT	U.S.A.	18-Dec-14	15/104376	27-Oct-16	US-2016-0312001- A1	2-Oct-18	10087305	NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM
CL5652-CA- PCT	Canada	30-Mar-13	2867524			9-Feb-21	2867524	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-CN- PCT	China	30-Mar-13	201380017948.1	4-Mar-15	104395512	16-Jun-20	201380017948.1	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-EP- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-EP-ETD	European Procedure (Patents)	22-Apr-21	21169994.7					POLYESTERS AND FIBERS MADE THEREFROM
CL5652-AT- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-BE- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-DK- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-FL- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-FR- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-DE- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-IE- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM

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CL5652-IT- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-NL- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-NO- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-PL- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-ES- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-SE- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-CH- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-TR- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-GB- EPT	European Procedure (Patents)	30-Mar-13	13717633.5	4-Feb-15	2831317	2-Jun-21	2831317	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-JP- PCD	Japan	30-May-18	2018-102939				6726231	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-US- PCN121	U.S.A.	6-May-22	17738891					POLYESTERS AND FIBERS MADE THEREFROM
CL5669-CA- PCT	Canada	29-Mar-13	2868286					FURAN BASED POLYAMIDES
CL5669-CN- PCD	China	3-Jun-19	201910479463.3	13-Sep-19	110229512			FURAN BASED POLYAMIDES
CL5669-CN- PCT	China	29-Mar-13	201380017343.2	24-Dec-14	104245793			FURAN BASED POLYAMIDES
CL5669-EP- EPT	European Procedure (Patents)	29-Mar-13	13717631.9	4-Feb-15	2831145	5-Jan-22	2831145	POLYAMIDES AND METHODS OF MAKING
CL5669-EP- ETD	European Procedure (Patents)	22-Nov-21	21209673.9					POLYAMIDES AND METHODS OF MAKING
CL5669-JP- PCT	Japan	29-Mar-13	2015-503656	18-May-15	2015-514150	4-Aug-17	6185981	FURAN BASED POLYAMIDES
CL6214-AU- PCT	Australia	1-May-15	2015252948			15-Aug-19	2015252948	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6214-AU-PCD 2	Australia	23-Dec-20	202094272					TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-BR-PCT	Brazil	1-May-15	1120160254090			6-Jul-21	1120160254090	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-CA-PCT	Canada	1-May-15	2947716					TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-CN-PCD	China	4-Nov-19	201911065175.X	31-Mar-20	110938289			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-CN-PCT	China	1-May-15	201580035913.X	1-Mar-17	106471058	3-Dec-19	201580035913.X	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-EP-EPT	European Procedure (Patents)	1-May-15	15727102.4	8-Mar-17	3137547			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-ID-PCT	Indonesia	1-May-15	P00201607403			15-Jul-20	IDP000069773	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-IN-PCT	India	1-May-15	201617037136	31-Mar-17		2-Nov-20	350676	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-JP-PCT	Japan	1-May-15	2016-565468	6-Jul-17	2017-518406		6687539	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-MX-PCT	Mexico	1-May-15	MX/a/2016/014278					TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-MY-PCD	Malaysia	8-Dec-20	PI2020006527					TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-MY-PCT	Malaysia	1-May-15	PI2016703947			17-Dec-20	MY-181108-A	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-PH-PCT	Philippines	1-May-15	1-2016-502163			4-Nov-19	1-2016-502163	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-TH-PCT	Thailand	1-May-15	1601006584	31-Aug-17	167274			TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6214-US-PCT	U.S.A.	1-May-15	15/307995	2-Mar-17	US-2017-0058119-A1	11-Dec-18	10150862	TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
CL6260-CN-PCT	China	31-Jul-15	201580040623.4	22-Mar-17	106536187	31-Dec-19	201580040623.4	FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-EP-EPT	European Procedure (Patents)	31-Jul-15	15760318.4	7-Jun-17	3174708	15-Jul-20	3174708	FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-EP-ETD	European Procedure (Patents)	5-Jun-20	20178603.5	11-Nov-20	3736128			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-FR-EPT	European Procedure (Patents)	31-Jul-15	15760318.4	7-Jun-17	3174708	15-Jul-20	3174708	FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6260-DE-EPT	European Procedure (Patents)	31-Jul-15	15760318.4	7-Jun-17	3174708	15-Jul-20	602015055799.9	FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-IT-EPT	European Procedure (Patents)	31-Jul-15	15760318.4	7-Jun-17	3174708	15-Jul-20	502020000087145	FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-NL-EPT	European Procedure (Patents)	31-Jul-15	15760318.4	7-Jun-17	3174708	15-Jul-20	3174708	FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-GB-EPT	European Procedure (Patents)	31-Jul-15	15760318.4	7-Jun-17	3174708	15-Jul-20	3174708	FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-JP-PCD	Japan	24-Sep-21	2021-155020	4-Jan-22	2022-000352			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-JP-PCT	Japan	31-Jul-15	2017-505100	31-Aug-17	2017-524576			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-KR-PCT	South Korea / Republic of Korea	31-Jul-15	10-2017-7002545					FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6260-US-PCN121	U.S.A.	21-Dec-21	17/557566	14-Apr-22	US-2022-0111618-A1			FURAN BASED POLYAMIDES AND ARTICLES MADE THEREFROM
CL6460-AU-PCD	Australia	16-Nov-21	2021269337					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-AU-PCT	Australia	1-Jun-16	2016276042			12-Dec-21	21062760432	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-BR-PCD	Brazil	21-Jan-22	1220220011533					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-BR-PCT	Brazil	1-Jun-16	1120170264978					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-CA-PCT	Canada	1-Jun-16	2988739					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-CN-PCT	China	1-Jun-16	201680047086.0	17-Apr-18	107921693			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-EG-PCT	Egypt	1-Jun-16	2056/2017			5-Oct-21	30437	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6460-EP- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-EP-ETD	European Procedure (Patents)	13-Jan-21	21151439.3	18-Aug-21	3865278			ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-AT- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-BE- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-DK- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-FI- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-FR- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-DE- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	602016053078.3	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-IE- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-IT- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	502021000041180	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-NL- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-NO- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-PL- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-ES- EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6460-SE-EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-TR-EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	2021/008382	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-CH-EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-GB-EPT	European Procedure (Patents)	1-Jun-16	16730943.4	18-Apr-18	3307515	24-Feb-21	3307515	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-ID-PCT	Indonesia	1-Jun-16	P00201708862	29-Jun-18	2018/06249	4-Oct-21		ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-IL-PCT	Israel	1-Jun-16	256165					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-IN-PCT	India	1-Jun-16	201717044378	12-Jan-18		22-Apr-21	365122	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-JP-PCT	Japan	1-Jun-16	2017-563928	12-Jul-18	2018-518396	2-Mar-21	6845811	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-KR-PCT	South Korea / Republic of Korea	1-Jun-16	10-2018-7000116					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-MX-PCT	Mexico	1-Jun-16	MX/a/2017/016086					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-MY-PCD	Malaysia	8-Dec-20	PI2020006526					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-MY-PCT	Malaysia	1-Jun-16	PI2017704721			2-Mar-21	MY-183608-A	ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-NZ-PCT	New Zealand	1-Jun-16	738128					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6460-PH-PCT	Philippines	1-Jun-16	1-2017-502276					ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICAROBXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6460-RU-PCD	Russian Federation	24-Aug-21	2021124960	11-Jan-22	2021124960			ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICARBOXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-RU-PCT	Russian Federation	1-Jun-16	2017142981	11-Jul-19		31-Aug-21	2754262	ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICARBOXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-SG-PCD	Singapore	27-Aug-18	10201807264T					ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICARBOXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-SG-PCT	Singapore	1-Jun-16	11201710247U			11-Sep-18	11201710247U	ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICARBOXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-TH-PCT	Thailand	1-Jun-16	1701007360	31-Jan-19	183296			ENHANCED BARRIER PERFORMANCE VIA BLEND OF POLY(ETHYLENE FURANDICARBOXYLATE) / POLY(ETHYLENE TEREPHTHALATE)
CL6460-US-PCN	U.S.A.	2-Oct-20	17/061807	21-Jan-21	US-2021-0016487-A1			ENHANCED BARRIER PERFORMANCE VIA BLENDS OF POLY(ETHYLENE FURANDICARBOXYLATE) AND POLY(ETHYLENE TEREPHTHALATE)
CL6463-EP-ETD	European Procedure (Patents)	27-Apr-22	22170355.6					GAS SEPARATION MEMBRANE USING FURAN-BASED POLYMERS
CL6463-EP-EPT	European Procedure (Patents)	21-Jul-16	16745028.7	30-May-18	3325131			GAS SEPARATION MEMBRANE USING FURAN-BASED POLYMERS
CL6463-US-PCN	U.S.A.	18-Feb-20	16/793731	11-Jun-20	US-2020-0179869-A1			GAS SEPARATION MEMBRANE USING FURAN-BASED POLYMERS
CL6463-US-PCN[2]	U.S.A.	9-Nov-22	17/522285	3-Mar-22	US-2022-0062817-A1			GAS SEPARATION MEMBRANE USING FURAN-BASED POLYMERS
CL6472-BR-PCT	Brazil	21-Jul-16	1120170282313			12-Apr-22	1120170282313	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-CN-PCT	China	21-Jul-16	201680043442.1	27-Mar-18	107848997			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-DE-EPT	Germany	21-Jul-16	16748202.5	30-May-18	3325461	11-Mar-20	3325461	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-EP-EPT	European Procedure (Patents)	21-Jul-16	16748202.5	30-May-18	3325461	11-Mar-20	3325461	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-FR-EPT	France	21-Jul-16	16748202.5	30-May-18	3325461	11-Mar-20	3325461	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-ID-PCT	Indonesia	21-Jul-16	P00201800567			8-Dec-20	IDP000073474	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6472-IN-PCT	India	21-Jul-16	201717044629	12 Jan 2018		30-Nov-21	383194	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-NL-EPT	Netherlands	21-Jul-16	16748202.5	30-May-18	3325461	11-Mar-20	3325461	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-TH-PCT	Thailand	21-Jul-16	1801000456	18-Oct-21	1801000456A			PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-US-CNT[6]	U.S.A.	26-Apr-22	177729554					PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-ZA-PCT	South Africa	21-Jul-16	2017/08390			29-May-19	2017/08390	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6472-US-CNT[2]	U.S.A.	20-Jun-2019	16447153	03-Oct-2019	US20190300494 A1	15-Dec-20	10865190	PROCESSES FOR PREPARING 2,5-FURANDICARBOXYLIC ACID AND ESTERS THEREOF
CL6491-US-PCN[3]	U.S.A.	4-May-22	17736644					PROCESSES FOR PRODUCING 2,5-FURANDICARBOXYLIC ACID DIALKYL ESTERS
CL6494-EP-EPT	European Procedure (Patents)	21-Jul-16	16745029.5	30-May-18	3325459			MULTI-STAGE ESTERIFICATION PROCESS
CL6494-US-PCN[3]	U.S.A.	5-May-22	17737408					MULTI-STAGE ESTERIFICATION PROCESS
CL6498-BE-EPT	Belgium	21-Jul-16	16745355.4	30-May-18	3325460	8-Jan-20	3325460	REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6498-DE-EPT	Germany	21-Jul-16	16745355.4	30-May-18	3325460	8-Jan-20	3325460	REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6498-EP-EPT	European Procedure (Patents)	21-Jul-16	16745355.4	30-May-18	3325460	8-Jan-20	3325460	REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6498-FR-EPT	France	21-Jul-16	16745355.4	30-May-18	3325460	8-Jan-20	3325460	REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6498-NL-EPT	Netherlands	21-Jul-16	16745355.4	30-May-18	3325460	8-Jan-20	3325460	REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6498-PL-EPT	Poland	21-Jul-16	16745355.4	30-May-18	3325460	8-Jan-20	3325460	REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6498-TR-EPT	Turkey	21-Jul-16	16745355.4	30-May-18	3325460	8-Jan-20	3325460	REACTIVE DISTILLATION PROCESS FOR THE ESTERIFICATION OF FURANDICARBOXYLIC ACID
CL6499-AU-PCD	Australia	15-Jun-21						A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499-CA-PCT	Canada	15-Dec-16	3006986					A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES
CL6499-CN-PCT	China	15-Dec-16	201680081896.8	23-Oct-18	108699240			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMIDES

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6499-EP- EPT	European Procedure (Patents)	15-Dec-16	16822341.0	24-Oct-18	3390495			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMID
CL6499-JP- PCD	Japan	25-Jun-21	2021-105351	30-Sep	2021-152183			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMID
CL6499-JP- PCT	Japan	15-Dec-16	2018-531063	20-Dec-18	2018-537573	30-Jun-21	6905983	A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMID
CL6499-KR- PCT	South Korea / Republic of Korea	15-Dec-16	10-2018-7019507					A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMID
CL6499-MX- PCT	Mexico	15-Dec-16	MX/a/2018/007279					A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMID
CL6499-US- PCN121	U.S.A.	17-Dec-20	17/125366	15-Apr-21	US-2021-0108032-A1			A SOLVENT-FREE MELT POLYCONDENSATION PROCESS OF MAKING FURAN BASED POLYAMID
CL6569-JP- PCT	Japan	25-Apr-17	2019-507076					PROCESS OF MAKING FURAN BASED POLYAMID
CL6569-US- PCT	U.S.A.	25-Apr-17	16/095538	21-Mar-19	US-2019-0085163-A1			PROCESS FOR PRODUCING POLYESTER ARTICLE
CL6573-CN- PCT	China	10-Oct-17	201780077580.6	30-Jul-19	110072908			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573-EP- EPT	European Procedure (Patents)	10-Oct-17	17787836.0	21-Aug-19	3526272			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573-JP- PCT	Japan	10-Oct-17	2019-520059					PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573-US- PCT	U.S.A.	10-Oct-17	16/340170	10-Oct-19	US-2019-0309125-A1			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6573-US- PCN	U.S.A.	28-Dec-20	17/35562	20-May-21	US-2021-0147620-A1			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE)
CL6600-AU- PCT	Australia	23-Feb-18	2018225205					PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE) USING ZINC CATALYST
CL6600-BR- PCT	Brazil	23-Feb-18	1120190176195					PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE) USING ZINC CATALYST
CL6600-CA- PCT	Canada	23-Feb-18	3054371					PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE) USING ZINC CATALYST
CL6600-CN- PCT	China	23-Feb-18	201880025372.6	29-Nov-19	110520459			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE) USING ZINC CATALYST
CL6600-EP- EPT	European Procedure (Patents)	23-Feb-18	18708880.2	1-Jan-20	3585827	21-Apr-21	3585827	PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE) USING ZINC CATALYST
CL6600-EP- ETD	European Procedure (Patents)	8-Feb-21	21155743.4	15-Sep-21	3878886			PROCESS FOR PREPARING POLY(TRIMETHYLENE FURAN DICARBOXYLATE) USING ZINC CATALYST

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6600-FR - EPT	European Procedure (Patents)	23-Feb-18	187088880.2	1-Jan-20	3585827	21-Apr-21	3585827	PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-DE - EPT	European Procedure (Patents)	23-Feb-18	187088880.2	1-Jan-20	3585827	21-Apr-21	3585827	PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-IT - EPT	European Procedure (Patents)	23-Feb-18	187088880.2	1-Jan-20	3585827	21-Apr-21	3585827	PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-NL - EPT	European Procedure (Patents)	23-Feb-18	187088880.2	1-Jan-20	3585827	21-Apr-21	3585827	PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-ES - EPT	European Procedure (Patents)	23-Feb-18	187088880.2	1-Jan-20	3585827	21-Apr-21	3585827	PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-GB - EPT	European Procedure (Patents)	23-Feb-18	187088880.2	1-Jan-20	3585827	21-Apr-21	3585827	PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-ID - PCT	Indonesia	23-Feb-18	P00201907437					PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-IN - PCT	India	23-Feb-18	201917034063					PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-JP - PCT	Japan	23-Feb-18	2019-567502	19-Mar-20	2020-508390			PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-KR - PCT	South Korea / Republic of Korea	23-Feb-18	10-2019-7027760					PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-MX - PCT	Mexico	23-Feb-18	MX/a/2019/009974					PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6600-US-PCN	U.S.A.	5-May-21	17/308672	2-Sep-21	US-2021-0269589-A1			PROCESS FOR PREPARING POLY(TRIMETHYLENE) FURANDICARBOXYLATE) USING ZINC CATALYST
CL6601-AU - PCT	Australia	23-Feb-18	2018225190					PROCESS FOR PREPARING POLY(ALKYLENE) FURANDICARBOXYLATE)
CL6601-BR - PCT	Brazil	23-Feb-18	112019017611-0					PROCESS FOR PREPARING POLY(ALKYLENE) FURANDICARBOXYLATE)
CL6601-CA - PCT	Canada	23-Feb-18	3054369					PROCESS FOR PREPARING POLY(ALKYLENE) FURANDICARBOXYLATE)
CL6601-CN - PCT	China	23-Feb-18	201880025375.X	29-Nov-19	110520460			PROCESS FOR PREPARING POLY(ALKYLENE) FURANDICARBOXYLATE)
CL6601-EP - EPT	European Procedure (Patents)	23-Feb-18	18709875.1	1-Jan-20	3585828			PROCESS FOR PREPARING POLY(ALKYLENE) FURANDICARBOXYLATE)

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6601-ID-PCT	Indonesia	23-Feb-18	P00201907436					PROCESS FOR PREPARING POLY(ALKYLENE FURANDICARBOXYLATE)
CL6601-IN-PCT	India	23-Feb-18	201917034064					PROCESS FOR PREPARING POLY(ALKYLENE FURANDICARBOXYLATE)
CL6601-JP-PCT	Japan	23-Feb-18	2019-567500	19-Mar-20	2020-508389			PROCESS FOR PREPARING POLY(ALKYLENE FURANDICARBOXYLATE)
CL6601-KR-PCT	South Korea / Republic of Korea	23-Feb-18	10-2019-7027759					PROCESS FOR PREPARING POLY(ALKYLENE FURANDICARBOXYLATE)
CL6601-MX-PCT	Mexico	23-Feb-18	Mx/a/2019/009975					PROCESS FOR PREPARING POLY(ALKYLENE FURANDICARBOXYLATE)
CL6601-US-PCN	U.S.A.	14-Jun-21	17/347115	30-Sep-21	US-2021-0301080-A1			PROCESS FOR PREPARING POLY(ALKYLENE FURANDICARBOXYLATE)
CL4505-AU-PCT	Australia	8-Dec-09	2009335981			7-Apr-16	2009335981	VAPOR-PHASE DECARBONYLATION PROCESS
CL4505-CN-PCT	China	8-Dec-09	200980150910.5	23-Nov-11	102256956	30-Mar-16	200980150910.5	VAPOR-PHASE DECARBONYLATION PROCESS
CL4505-IN-PCT	India	8-Dec-09	5006/DELNP/2011	4-May-12	5006/DELNP/2011	6-Feb-17	279964	VAPOR-PHASE DECARBONYLATION PROCESS
CL4505-US-PCT	U.S.A.	8-Dec-09	13/124574	18-Aug-11	US-2011-0201832-A1	26-Mar-13	8404871	VAPOR-PHASE DECARBONYLATION PROCESS
CL4509-AU-PCT	Australia	8-Dec-09	2009327449			7-Apr-16	2009327449	VAPOR-PHASE DECARBONYLATION PROCESS
CL4509-CN-PCT	China	8-Dec-09	200980151130.2	23-Nov-11	102256957	22-Oct-14	200980151130.2	VAPOR-PHASE DECARBONYLATION PROCESS
CL4509-HK-FPR	Hong Kong	17-May-12	12104863.2	21-Sep-12	1164301A	21-Apr-15	1164301	VAPOR-PHASE DECARBONYLATION PROCESS
CL4509-US-PCT	U.S.A.	8-Dec-09	13/122740	11-Aug-11	US-2011-0196126-A1	30-Jun-15	9067904	VAPOR-PHASE DECARBONYLATION PROCESS
CL4597-CN-PCT	China	6-Apr-10	201080015706.5	21-Mar-12	102388030	10-Dec-14	201080015706.5	HYDROGENATION PROCESS
CL4597-US-PCT	U.S.A.	6-Apr-10	13/262837	9-Feb-12	US-2012-0035378-A1	25-Feb-14	8658807	HYDROGENATION PROCESS
CL4788-AU-PCT	Australia	31-Aug-10	2010286449			6-Oct-16	2010286449	VAPOR PHASE DECARBONYLATION PROCESS
CL4788-BR-PCT	Brazil	31-Aug-10	1120120043994			25-May-21	1120120043994	VAPOR PHASE DECARBONYLATION PROCESS
CL4788-CN-PCT	China	31-Aug-10	201080038881.6	30-May-12	102482247	20-Jan-16	201080038881.6	VAPOR PHASE DECARBONYLATION PROCESS
CL4788-HK-FPR	Hong Kong	23-Nov-12	121112048.3	22-Mar-13	1171229A			VAPOR PHASE DECARBONYLATION PROCESS
CL4788-US-PCT	U.S.A.	31-Aug-10	13/392541	28-Jun-12	US-2012-0165560-A1	29-Apr-14	8710251	VAPOR PHASE DECARBONYLATION PROCESS
CL4809-AU-PCT	Australia	31-Aug-10	2010286451			6-Oct-16	2010286451	VAPOR-PHASE DECARBONYLATION PROCESS
CL4809-BR-PCT	Brazil	31-Aug-10	1120120043978			30-May-21	1120120043978	VAPOR-PHASE DECARBONYLATION PROCESS

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL4809-CN-PCT	China	31-Aug-10	201080038671.7	30-May-12	102482246	20-May-15	201080038671.7	VAPOR-PHASE DECARBONYLATION PROCESS
CL4809-HK-FPR	Hong Kong	23-Nov-12	12112050.8	22-Mar-13	1171231A			VAPOR-PHASE DECARBONYLATION PROCESS
CL4809-US-PCT	U.S.A.	31-Aug-10	13392550	28-Jun-12	US-2012-0165561-A1	17-Jun-14	8754245	VAPOR-PHASE DECARBONYLATION PROCESS
CL4810-AU-PCT	Australia	31-Aug-10	2010286453			24-Dec-15	2010286453	DECARBONYLATION PROCESS
CL4810-BR-PCT	Brazil	31-Aug-10	1120120040561			19-Jan-21	1120120040561	DECARBONYLATION PROCESS
CL4810-CN-PCT	China	31-Aug-10	201080038882.0	30-May-12	102482248	20-May-15	201080038882.0	DECARBONYLATION PROCESS
CL4810-HK-FPR	Hong Kong	23-Nov-12	12112049.2	22-Mar-13	1171230A			DECARBONYLATION PROCESS
CL4810-US-PCT	U.S.A.	31-Aug-10	13392556	21-Jun-12	US-2012-0157698-A1	18-Feb-14	8653287	DECARBONYLATION PROCESS
CL4572-US-NP	U.S.A.	21-Dec-10	12/973980	21-Jun-12	US-2012-0157697-A1	3-Sep-13	8524924	PROCESS FOR FURFURAL PRODUCTION FROM BIOMASS
CL4831-CN-PCT	China	20-Dec-11	2011180061134.9	28-Aug-13	103270028	25-Nov-15	2011180061134.9	METHODS FOR FURFURAL PRODUCTION FROM BRANCHED NON-FERMENTABLE SUGARS IN STILLAGE OR SYRUP
CL4831-BR-PCT	Brazil	20-Dec-11	BR112013015693-7			29-Jan-19	112013015693	METHODS FOR FURFURAL PRODUCTION FROM BRANCHED NON-FERMENTABLE SUGARS IN STILLAGE OR SYRUP
CL4831-US-PCT	U.S.A.	20-Dec-11	14/009645	20-Feb-14	US-2014-0051873-A1	5-May-15	9024047	METHODS FOR FURFURAL PRODUCTION FROM BRANCHED NON-FERMENTABLE SUGARS IN STILLAGE OR SYRUP
CL5469-US-NP	U.S.A.	28-Dec-12	13/729375	4-Jul-13	US-2013-0172581-A1	10-Nov-15	9181209	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5542-US-NP	U.S.A.	28-Dec-12	13/729436	4-Jul-13	US-2013-0172582-A1	10-Nov-15	9181210	PROCESSES FOR MAKING FURFURALS
CL5585-BR-PCT	Brazil	28-Dec-12	1120140160015			25-Jun-19	1120140160015	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5585-CN-PCT	China	28-Dec-12	201280065178.3	10-Sep-14	104039772	29-Jun-16	201280065178.3	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5585-US-NP	U.S.A.	28-Dec-12	13/729445	4-Jul-13	US-2013-0172583-A1	21-Apr-15	9012664	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5585-ZA-PCT	South Africa	28-Dec-12	2014/04218			23-Dec-15	2014/04218	PROCESS FOR THE PRODUCTION OF FURFURAL
CL5596-US-NP	U.S.A.	28-Dec-12	13/729480	4-Jul-13	US-2013-0172584-A1	10-Nov-15	9181211	PROCESS FOR THE PRODUCTION OF FURFURAL
CL6530-AU-PCT	Australia	2-Jun-17	2017274520			25-Nov-21	2017274520	PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOLVENT
CL6530-AT-PCT	Austria	2-Jun-17	17729336.2	10-Apr-19	3464256	29-Jul-20	3464256	PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOLVENT

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Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL6530-CA-PCT	Canada	2-Jun-17	3025566					PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-CN-PCT	China	2-Jun-17	201780034345.0	15-Jan-19	109219599			PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-DE-EPT	Germany	2-June-17	17729336.2	10-Apr-19	3464256	29-Jul-20	3464256	PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-EP-ETD	European Procedure (Patents)	20-May-20	20177255.5	21-Oct-20	3725783			PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-EP-EPT	European Procedure (Patents)	2-Jun-17	17729336.2	10-Apr-19	3464256	29-Jul-20	3464256	PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-FI-EPT	Finland	2-June-17	17729336.2	10-Apr-19	3464256	29-Jul-20	3464256	PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-FR-EPT	France	2-June-17	17729336.2	10-Apr-19	3464256	29-Jul-20	3464256	PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-SE-EPT	Sweden	2-June-17	17729336.2	10-Apr-19	3464256	29-Jul-20	3464256	PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-US-PCN131	U.S.A.	26-Apr-22	17729287					PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN
CL6530-ZA-PCT	South Africa	2-Jun-17	2018/07827					PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOL VEN

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**PART II:**

Case Reference	Country	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	Internal Title
CL5625-HK-FPD	Hong Kong	31-Jul-18	18109845.8	14-Dec-18	1250377			POL YESTERS AND ARTICLES MADE THEREFROM
CL5625-HK-FPR	Hong Kong	16-Jan-15	15100509.7	31-Jul-15	1200182	21-Sep-18	1200182	POL YESTERS AND ARTICLES MADE THEREFROM
CL5625-NZ-PCT121	New Zealand	30-Mar-13	628957			1-Jul-16	628957	POL YESTERS AND ARTICLES MADE THEREFROM
CL5625-RU-PCT121	Russia	30-Mar-13	2014143803			3-May-18	2652802	POL YESTERS AND ARTICLES MADE THEREFROM
CL5625-TH-PCT121	Thailand	30-Mar-13	1401005596	28-Sep-16	156844			POL YESTERS AND ARTICLES MADE THEREFROM
CL5652-AU-PCT	Australia	30-Mar-13	2013237797			7-Dec-17	2013237797	POL YESTERS AND FIBERS MADE THEREFROM
CL5652-BR-PCT	Brazil	30-Mar-13	1120140242224					POL YESTERS AND FIBERS MADE THEREFROM
CL5652-HK-FPR	Hong Kong	2-Sep-15	15108559.9	19-Feb-16	1208059			POL YESTERS AND ARTICLES MADE THEREFROM
CL5652-ID-PCT	Indonesia	30-Mar-14	P00201405899			13-Jun-19	IDP000059434	POL YESTERS AND FIBERS MADE THEREFROM
CL5652-IN-PCT	India	30-Mar-14	7006/DELNP/2014					POL YESTERS AND FIBERS MADE THEREFROM
CL5652-KR-PCT	Korea	30-Mar-13	10-2014-7030117					POL YESTERS AND FIBERS MADE THEREFROM

CL5652-NZ-PCT	New Zealand	30-Mar-13	628958			27-May-16	628958	POLYESTERS AND FIBERS MADE THEREFROM
CL5652-TH-PCT	Thailand	30-Mar-13	1401005595	29-Feb-16	146390			POLYESTERS AND FIBERS MADE THEREFROM
CL5669-HK-FPR	Hong Kong	22-Jun-15	15105903.8	11-Dec-15	1205168			POLYAMIDES AND METHODS OF MAKING
CL5669-KR-PCT	Korea	29-Mar-13	10-2014-7030082					POLYAMIDES AND METHODS OF MAKING
CL4597-AU-PCT	Australia	6-Apr-10	2010234617			11-Feb-16	2010234617	HYDROGENATION PROCESS
CL4597-BE-EPT	Belgium	6-Apr-10	10714128.5	15-Feb-12	2417116	2-Apr-14	2417116	HYDROGENATION PROCESS
CL4597-DE-EPT	Germany	6-Apr-10	10714128.5			2-Apr-14	2417116	HYDROGENATION PROCESS
CL4597-EP-EPT	European Procedure (Patents)	6-Apr-10	10714128.5	15-Feb-12	2417116	2-Apr-14	2417116	HYDROGENATION PROCESS
CL4597-ES-EPT	Spain	6-Apr-10	10714128.5	15-Feb-12	2417116	2-Apr-14	2417116	HYDROGENATION PROCESS
CL4597-FR-EPT	France	6-Apr-10	10714128.5	15-Feb-12	2417116	2-Apr-14	2417116	HYDROGENATION PROCESS
CL4597-GB-EPT	United Kingdom	6-Apr-10	10714128.5	15-Feb-12	2417116	2-Apr-14	2417116	HYDROGENATION PROCESS
CL4597-NL-EPT	Netherlands	6-Apr-10	10714128.5	15-Feb-12	2417116	2-Apr-14	2417116	HYDROGENATION PROCESS
CL4597-HK-FPR	Hong Kong	14-Sep-12	12109069.3	28-Dec-12	1168347	23-Oct-15	1168347	HYDROGENATION PROCESS
CL6569-CA-PCT	Canada	25-Apr-17	3022096					PROCESS FOR PRODUCING POLYESTER ARTICLE
CL5469-CN-PCT	China	28-Dec-12	201280065145.9	3-Sep-14	104024238	6-Jul-16	201280065145.9	PROCESS FOR THE PRODUCTION OF FURFURAL

PATENT

REEL: 066356 FRAME: 0939

RECORDED: 01/20/2024