

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM684042

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
SEQUENCE:	2

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
AdvanSix Resins & Chemicals LLC		10/27/2021	Limited Liability Company: DELAWARE
AdvanSix Inc.		10/27/2021	Corporation: DELAWARE

RECEIVING PARTY DATA

Name:	Truist Bank
Street Address:	303 Peachtree St., N.E.
City:	Atlanta
State/Country:	GEORGIA
Postal Code:	30308
Entity Type:	Chartered Bank: NORTH CAROLINA

PROPERTY NUMBERS Total: 14

Property Type	Number	Word Mark
Registration Number:	5321829	ADVANSIX
Registration Number:	5551276	ADVANSIX
Registration Number:	6185440	ADVANSIX CARING
Registration Number:	3050249	AEGIS
Registration Number:	4685252	AEGIS BARRIERPRO2
Registration Number:	0730229	CAPRAN
Registration Number:	0657602	NADONE
Registration Number:	6472154	NADONE HDR
Registration Number:	6472155	NADONE UHDR
Registration Number:	0665249	NAXOL
Registration Number:	1980405	OXYSHIELD
Registration Number:	4598990	ROSI
Registration Number:	2674588	SULF-N
Registration Number:	5423808	EZ-BLOX

CORRESPONDENCE DATA

Fax Number: 7044441111

TRADEMARK

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.

Phone: 7044441124
Email: elaine.hunt@alston.com
Correspondent Name: Michele M. Glessner
Address Line 1: Alston & Bird LLP
Address Line 2: 101 South Tryon Street, Suite 4000
Address Line 4: Charlotte, NORTH CAROLINA 28280-4000

NAME OF SUBMITTER: Elaine B. Hunt

SIGNATURE: /Elaine B. Hunt/

DATE SIGNED: 10/27/2021

Total Attachments: 90

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, this “*IP Security Agreement*”) dated October 27, 2021, is made by the Persons listed on the signature pages hereof (collectively, the “*Grantors*”) and Truist Bank (“*Truist*”), as Administrative Agent (the “*Administrative Agent*”) for each of the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, AdvanSix Inc., a Delaware corporation, has entered into a Credit Agreement dated as of October 27, 2021 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*Credit Agreement*”), among the Borrower, the Lenders party thereto, each Swing Line Lender party thereto, each L/C Issuer party thereto, Truist, as Administrative Agent, and the other Agents and the Arrangers party thereto. Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, as a condition precedent to the making of Loans by the Lenders and the issuance of Letters of Credit by the L/C Issuers under the Credit Agreement and by any Lender pursuant to any Bilateral Letter of Credit Facility and the entry into Secured Hedge Agreements by the Hedge Banks from time to time, each Grantor has executed and delivered that certain Security Agreement dated October 27, 2021 made by the Grantors to the Administrative Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*Security Agreement*”).

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Administrative Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed as a condition thereof to execute this IP Security Agreement for recording with the U.S. Patent and Trademark Office, the U.S. Copyright Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

1. Grant of Security. Each Grantor hereby grants to the Administrative Agent, for the benefit of the Secured Parties, a security interest in all of such Grantor’s right, title and interest in and to the following, (the “*Collateral*”):

(a) all patents, patent applications, utility models and statutory invention registrations, all inventions claimed or disclosed therein and all improvements thereto set forth on Schedule A hereto (the “*Patents*”);

(b) the trademark and service mark registrations and applications set forth on Schedule B hereto (provided that no security interest shall be granted in United States intent to use trademark applications to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark applications under applicable federal law), together with the goodwill symbolized thereby (the “*Trademarks*”);

(c) all copyrights, including, without limitation, copyrights in Computer Software, internet web sites and the content thereof, whether registered or unregistered set forth on Schedule C hereto (the “*Copyrights*”);

(d) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

(e) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(f) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the foregoing or arising from any of the foregoing.

2. Security for Obligations. The grant of a security interest in, the Collateral by each Grantor under this IP Security Agreement secures the payment of all Obligations of such Grantor now or hereafter existing or arising under or in respect of the Loan Documents (including, without limitation, any extensions, modifications, substitutions, amendments, amendment and restatements, or renewals of any or all of the foregoing Obligations), whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise.

3. Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and Trademarks and any other applicable U.S. government officer record this IP Security Agreement.

4. Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

5. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Administrative Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

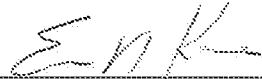
6. Governing Law. This IP Security Agreement and any claims, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this IP Security Agreement and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the State of New York.

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IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

ADVANSIX INC.,

by




Name: Erin N. Kane

Title: President and Chief
Executive Officer

ADVANSIX RESINS & CHEMICALS LLC

by



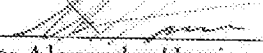
Name: Erin N. Kane

Title: Manager

[Signature Page – Intellectual Property Security Agreement]

TRADEMARK
REEL: 007475 FRAME: 0034

TRUIST BANK, as
Administrative Agent

By: 
Name: Alexander Harrison
Title: Vice President

[Signature Page – Intellectual Property Security Agreement]

TRADEMARK
REEL: 007475 FRAME: 0035

SCHEDULE A

Patents

<u>Title</u>	<u>Appl. No.:</u>	<u>Appl. Date:</u>	<u>Reg. No.:</u>	<u>Reg. Date:</u>	<u>Case Status:</u>	<u>Country:</u>
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	3,070,957	6/27/2018	3,070,957	7/13/2021	Registered/Granted	Canada
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	201880050540.7	6/27/2018			Pending	China
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	3661995	4/28/2021	Registered/Granted	European Patent Office
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	2020-505181	6/27/2018	6902157	6/22/2021	Registered/Granted	Japan
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	10-2020-7005614	6/27/2018			Application allowed	Republic of Korea
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	3661995	4/28/2021	Registered/Granted	Belgium
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	602018016296.8	4/28/2021	Registered/Granted	Germany
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	3661995	4/28/2021	Registered/Granted	Spain

A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	3661995	4/28/2021	Registered/Granted	France
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	3661995	4/28/2021	Registered/Granted	United Kingdom
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	502021000058970	4/28/2021	Registered/Granted	Italy
A PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	18742884.2	6/27/2018	3661995	4/28/2021	Registered/Granted	Netherlands
AMIDE-BASED COMPOUNDS, PRODUCTION, RECOVERY, PURIFICATION AND USES THEREOF	11/311,604	9/21/2002	7,482,446	1/27/2009	Registered/Granted	United States of America
AMIDE-BASED COMPOUNDS, PRODUCTION, RECOVERY, PURIFICATION AND USES THEREOF	10/251,335	9/21/2002	7,022,844	4/4/2006	Registered/Granted	United States of America
AMINO ACID SURFACTANTS	17/154,916	1/21/2021			Pending	United States of America
AMINO ACID SURFACTANTS	PCT/US2021/014447	1/21/2021			Pending	Patent Cooperation Treaty
AMINO ACID SURFACTANTS	17/154,914	1/21/2021			Pending	United States of America
AMINO ACID SURFACTANTS	PCT/US2021/014457	1/21/2021			Pending	Patent Cooperation Treaty
AMINO ACID SURFACTANTS	17/154,918	1/21/2021			Pending	United States of America

AMINO ACID SURFACTANTS	PCT/US2021/014445	1/21/2021				Pending	Patent Cooperation Treaty
AMINO ACID SURFACTANTS	110101778	1/18/2021				Pending	Taiwan
AMINO ACID SURFACTANTS	110101776	1/18/2021				Pending	Taiwan
AMINO ACID SURFACTANTS	17/154,920	1/21/2021				Pending	United States of America
AMINO ACID SURFACTANTS	PCT/US2021/014440	1/21/2021				Pending	Patent Cooperation Treaty
AMINO ACID SURFACTANTS	17/154,919	1/21/2021				Pending	United States of America
AMINO ACID SURFACTANTS	PCT/US2021/014444	1/21/2021				Pending	Patent Cooperation Treaty
AMINO ACID SURFACTANTS	110101774	1/18/2021				Pending	Taiwan
AMMONIUM SULFATE FERTILIZER WITH WATER-SOLUBLE MICRONUTRIENTS	201980078156.2	9/18/2019				Pending	China
AMMONIUM SULFATE FERTILIZER WITH WATER-SOLUBLE MICRONUTRIENTS	19779713.7	9/18/2019				Pending	European Patent Office
AMMONIUM SULFATE FERTILIZER WITH WATER-SOLUBLE MICRONUTRIENTS	P00202102224	9/18/2019				Pending	Indonesia
AMMONIUM SULFATE NITRATE	20030595	11/14/2001	12423	7/16/2009		Registered/Granted	Belarus
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005		Registered/Granted	European Patent Office
AMMONIUM SULFATE NITRATE	2003-053	11/14/2001	LT5121B	3/25/2004		Registered/Granted	Lithuania
AMMONIUM SULFATE NITRATE	2003117467	11/14/2001	RU22279416C2	7/10/2006		Registered/Granted	Russian Federation
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005		Registered/Granted	Belgium

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AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	60109057.8	2/23/2005	Registered/Granted	Germany
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005	Registered/Granted	Spain
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005	Registered/Granted	Finland
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005	Registered/Granted	France
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	3053350	2/23/2005	Registered/Granted	United Kingdom
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005	Registered/Granted	Greece
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005	Registered/Granted	Netherlands
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005	Registered/Granted	Portugal
AMMONIUM SULFATE NITRATE	01996519.3	11/14/2001	EP1343739B1	2/23/2005	Registered/Granted	Turkey
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	18718279.5	3/27/2018			Application allowed	European Patent Office
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	2018249397	3/27/2018	2018249397	10/8/2020	Registered/Granted	Australia
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	3,056,437	3/27/2018	3,056,437	7/6/2021	Registered/Granted	Canada
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	2019-551451	3/27/2018			Pending	Japan
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	10-2019-7032299	3/27/2018	10-2263530	6/4/2021	Registered/Granted	Republic of Korea

BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	16/493.102	3/27/2018				Pending	United States of America
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	1-2019-05244	3/27/2018				Application allowed	Vietnam
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	19215464.9	3/27/2018				Application allowed	European Patent Office
CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	2010-532068	11/3/2008	JP5389038B2	10/8/2013		Registered/Granted	Japan
CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	200880114290.5	11/3/2008	CN101842335B	3/26/2014		Registered/Granted	China
CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	2.703.945	11/3/2008	2.703.945	4/5/2016		Registered/Granted	Canada
CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	PI0818135-7	11/3/2008	PI0818135-7	4/30/2019		Registered/Granted	Brazil
CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	2008319217	11/3/2008	2008319217	6/14/2012		Registered/Granted	Australia

CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	11/933,545	11/1/2007	7,785,387	8/31/2010	Registered/Granted	United States of America
CHEMICALLY-MODIFIED MIXED FUELS, METHODS OF PRODUCTION AND USES THEREOF	13/971,999	8/21/2013	8,980,802	3/17/2015	Registered/Granted	United States of America
CHEMICALLY-MODIFIED MIXED FUELS, METHODS OF PRODUCTION AND USES THEREOF	13/412,094	3/5/2012	8,545,580	10/1/2013	Registered/Granted	United States of America
COATING COMPOSITION INCLUDING ALKYL OXIMES	17/319,492	5/13/2021			Pending	United States of America
COATING COMPOSITION INCLUDING ALKYL OXIMES	2016252288	4/19/2016	2016252288	2/13/2020	Registered/Granted	Australia
COATING COMPOSITION INCLUDING ALKYL OXIMES	2,982,405	4/19/2016			Application allowed	Canada
COATING COMPOSITION INCLUDING ALKYL OXIMES	201680036259,9	4/19/2016	ZL201680036259,9	6/8/2021	Registered/Granted	China
COATING COMPOSITION INCLUDING ALKYL OXIMES	2017-554572	4/19/2016	6860499	3/30/2021	Registered/Granted	Japan
COATING COMPOSITION INCLUDING ALKYL OXIMES	2017138273	4/19/2016	2684086	4/3/2019	Registered/Granted	Russian Federation
COATING COMPOSITION INCLUDING ALKYL OXIMES	2019268198	4/19/2016	2019268198	10/29/2020	Registered/Granted	Australia
COATING COMPOSITION INCLUDING ALKYL OXIMES	202110124556.1	4/19/2016			Pending	China

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COATING COMPOSITION INCLUDING ALKYL OXIMES	2021-052548	4/19/2016				Pending	Japan
COATING COMPOSITION INCLUDING ALKYL OXIMES	42021032833.2	4/19/2016				Pending	Hong Kong
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	093135453	11/18/2004	1378113	12/1/2012		Registered/Granted	Taiwan
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10184956.0	11/17/2004	2272892	5/2/2018		Registered/Granted	European Patent Office
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04811403.7	11/17/2004	1692207	5/2/2018		Registered/Granted	European Patent Office
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	2,546,342	11/17/2004	2,546,342	1/13/2015		Registered/Granted	Canada
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	2,862,454	11/17/2004	2,862,454	9/20/2016		Registered/Granted	Canada

COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	200480040149.7	11/17/2004	CN100584875C	1/27/2010	Registered/Granted	China
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10184956.0	11/17/2004	2272892	5/2/2018	Registered/Granted	Germany
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10184956.0	11/17/2004	2272892	5/2/2018	Registered/Granted	France
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10184956.0	11/17/2004	2272892	5/2/2018	Registered/Granted	United Kingdom
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10184956.0	11/17/2004	502018000021359	5/2/2018	Registered/Granted	Italy
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04811403.7	11/17/2004	1692207	5/2/2018	Registered/Granted	Germany

COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04811403.7	11/17/2004	1692207	5/2/2018	Registered/Granted	France
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04811403.7	11/17/2004	1692207	5/2/2018	Registered/Granted	United Kingdom
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04811403.7	11/17/2004	502018000021352	5/2/2018	Registered/Granted	Italy
COMPOSITIONS AND METHODS FOR CLEANING AND STRIPPING	108111129	3/29/2019			Pending	Taiwan
COMPOSITIONS AND METHODS FOR CLEANING AND STRIPPING	19716735.6	3/27/2019			Pending	European Patent Office
COMPOSITIONS AND METHODS FOR CLEANING AND STRIPPING	2020-552363	3/27/2019			Pending	Japan
COMPOSITIONS AND METHODS FOR CLEANING AND STRIPPING	16/982.273	3/27/2019			Pending	United States of America
COMPOSITIONS AND METHODS FOR CROP DEFENSE	16/130.055	9/13/2018			Pending	United States of America

COMPOSITIONS AND METHODS FOR CROP DEFENSE	18779929.1	9/13/2018			Pending	European Patent Office
COMPOSITIONS AND METHODS FOR CROP NUTRITION	16/130,066	9/13/2018			Pending	United States of America
COMPOSITIONS AND METHODS FOR GEL SPINNING OF POLYAMIDES	16/490,847	2/13/2018	11,078,601	8/3/2021	Registered/Granted	United States of America
COMPOSITIONS AND METHODS FOR GEL SPINNING OF POLYAMIDES	201880030255.9	2/13/2018			Pending	China
COMPOSITIONS AND METHODS FOR GEL SPINNING OF POLYAMIDES	2019-548598	2/13/2018			Pending	Japan
COMPOSITIONS AND METHODS TO DETECT ILLICT USES OF FERTILIZERS	13/206,980	8/10/2011	8,858,672	10/14/2014	Registered/Granted	United States of America
COMPOSITIONS AND METHODS TO DETECT ILLICT USES OF FERTILIZERS	2013110231	8/11/2011	RU2580346C2	4/10/2016	Registered/Granted	Russian Federation
COMPOSITIONS AND METHODS TO DETECT ILLICT USES OF FERTILIZERS	201180039188.5	8/11/2011	CN103038194B	12/2/2015	Registered/Granted	China
COMPOSITIONS AND METHODS TO DETER ILLICT USES OF FERTILIZERS	201180039139.1	8/11/2011	CN103038193B	11/25/2015	Registered/Granted	China
COMPOSITIONS AND METHODS TO DETER ILLICT USES OF FERTILIZERS	13/207,017	8/10/2011	8,858,673	10/14/2014	Registered/Granted	United States of America

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COMPOSITIONS COMPRISING A SOLVENT AND A CROP NUTRITION ACTIVE INGREDIENT	18779930.9	9/13/2018				Pending	European Patent Office
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	200810354	1/13/2007	UA97238C2	1/25/2012	Registered/Granted	Ukraine	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	SN08.301	1/13/2007	20503	3/4/2010	Registered/Granted	Tunisia	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	2008132336	1/13/2007	RU2436753C2	12/20/2011	Registered/Granted	Russian Federation	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	MX/a/2008/008908	1/13/2007	305984	12/10/2012	Registered/Granted	Mexico	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	PI 20082587	1/13/2007	MY-147405-A	11/30/2012	Registered/Granted	Malaysia	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	W 00 2008 02338	1/13/2007			Pending	Indonesia	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	6098/DELNP/2008	1/13/2007	271688	2/29/2016	Registered/Granted	India	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	AP 2007 10867	1/13/2007	GEP20125642B	9/25/2012	Registered/Granted	Georgia	

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COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	07710124.4	1/13/2007	EP1981829B1	4/30/2014	Registered/Granted	European Patent Office
COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	200780002275.7	1/13/2007	CN101370751B	4/24/2013	Registered/Granted	China
COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	2,636,468	1/13/2007	2,636,468	2/25/2014	Registered/Granted	Canada
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	2007205958	1/13/2007	AU2007205958B2	9/1/2011	Registered/Granted	Australia
COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	07710124.4	1/13/2007	EP1981829B1	4/30/2014	Registered/Granted	Germany
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	07710124.4	1/13/2007	EP1981829B1	4/30/2014	Registered/Granted	Spain
COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	07710124.4	1/13/2007	EP1981829B1	4/30/2014	Registered/Granted	France
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	07710124.4	1/13/2007	EP1981829B1	4/30/2014	Registered/Granted	United Kingdom
COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	07710124.4	1/13/2007	502014902279832	4/30/2014	Registered/Granted	Italy
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS COMPOSITIONS	07710124.4	1/13/2007	EP1981829B1	4/30/2014	Registered/Granted	Poland

COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	11/622.939	1/12/2007	8,721,760	5/13/2014	Registered/Granted	United States of America
COMPOSITIONS INCLUDING PVC OR CPVC	201980081972.9	12/9/2019			Pending	China
COMPOSITIONS INCLUDING PVC OR CPVC	19828491.1	12/9/2019			Pending	European Patent Office
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	15/388,999	12/22/2016	10,494,740	12/3/2019	Registered/Granted	United States of America
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	201680075597.3	12/22/2016	ZL201680075597.3	2/9/2021	Registered/Granted	China
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	3394330	3/31/2021	EP Granted	European Patent Office
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	PID201805303	12/22/2016	IDP000070621	8/14/2020	Registered/Granted	Indonesia
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	2018-532785	12/22/2016	6927979	8/10/2021	Registered/Granted	Japan
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	PI 2018702175	12/22/2016	MY-183674-A	3/8/2021	Registered/Granted	Malaysia
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	1801003775	12/22/2016			Pending	Thailand

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DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	3394330	3/31/2021	Registered/Granted	Belgium
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	602016055441.0	3/31/2021	Registered/Granted	Germany
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	3394330	3/31/2021	Registered/Granted	Spain
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	3394330	3/31/2021	Registered/Granted	France
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	3394330	3/31/2021	Registered/Granted	United Kingdom
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	502021000050429	3/31/2021	Registered/Granted	Italy
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	16880109.0	12/22/2016	3394330	3/31/2021	Registered/Granted	Netherlands
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	105142834	12/22/2016	105142834	8/21/2020	Registered/Granted	Taiwan
ENHANCED BARRIER MULTIFUNCTIONAL COATINGS FOR NYLON FILMS	MX/a/2011/008382	2/8/2010	326962	1/13/2015	Registered/Granted	Mexico
ENHANCED BARRIER MULTIFUNCTIONAL COATINGS FOR NYLON FILMS	12/700,827	2/5/2010	8,946,101	2/3/2015	Registered/Granted	United States of America

GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	201280052939.1	10/25/2012	ZL201280052939.1	3/9/2018	Registered/Granted	China
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	14089762	10/25/2012	64509	9/17/2015	Registered/Granted	Colombia
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	2771317	12/9/2020	Registered/Granted	European Patent Office
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	2014121157	10/25/2012	2609779	2/3/2017	Registered/Granted	Russian Federation
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	2014-538999	10/25/2012	6243340	11/17/2017	Registered/Granted	Japan
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	10-2014-7014091	10/25/2012	10-2002197	7/15/2019	Registered/Granted	Republic of Korea
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	MX/a/2014/005018	10/25/2012	354802	4/12/2018	Registered/Granted	Mexico

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GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	1401002296	10/25/2012				Pending	Thailand
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	2771317	12/9/2020	Registered/Granted	Registered/Granted	Belgium
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	2771317	12/9/2020	Registered/Granted	Registered/Granted	Switzerland
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	602012073682.8	12/9/2020	Registered/Granted	Registered/Granted	Germany
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	2771317	12/9/2020	Registered/Granted	Registered/Granted	Spain
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	2771317	12/9/2020	Registered/Granted	Registered/Granted	United Kingdom

GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	502021000016430	12/9/2020	Registered/Granted	Italy
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	12842979.2	10/25/2012	2771317	12/9/2020	Registered/Granted	Netherlands
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	13/658,495	10/23/2012	8,772,476	7/8/2014	Registered/Granted	United States of America
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	14/273,688	5/9/2014	9,221,762	12/29/2015	Registered/Granted	United States of America
GAS AND LIQUID PHASE CATALYTIC BECKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	14/263,156	4/28/2014	9,662,643	5/30/2017	Registered/Granted	United States of America
GRANULATOR FEED APPARATUS	15/047,057	2/18/2016	9,932,278	4/3/2018	Registered/Granted	United States of America
GRANULATOR FEED APPARATUS	201680027215.X	3/2/2016	ZL201680027215.X	5/18/2021	Registered/Granted	China
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	3268335	5/5/2021	Registered/Granted	European Patent Office
GRANULATOR FEED APPARATUS	2017135753	3/2/2016	2685939	4/23/2019	Registered/Granted	Russian Federation
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	3268335	5/5/2021	Registered/Granted	Czech Republic

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GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	602016057409.8	5/5/2021	Registered/Granted	Germany
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	3268335	5/5/2021	Registered/Granted	Spain
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	3268335	5/5/2021	Registered/Granted	France
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	3268335	5/5/2021	Registered/Granted	United Kingdom
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	502021000064292	5/5/2021	Registered/Granted	Italy
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	3268335	5/5/2021	Registered/Granted	Netherlands
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	3268335	5/5/2021	Registered/Granted	Poland
GRANULATOR FEED APPARATUS	16762152.3	3/2/2016	2021/012207	5/5/2021	Registered/Granted	Turkey
HEAT SEALABLE COATED NYLON	10-2014-7023536	2/27/2013	10-2026152	9/23/2019	Registered/Granted	Republic of Korea
HEAT SEALABLE COATED NYLON	MX/a/2014/010238	2/27/2013	357147	6/28/2018	Registered/Granted	Mexico
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	2013-557827	3/7/2012	6185394	8/4/2017	Registered/Granted	Japan
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	201280012975.5	3/7/2012	ZL201280012975.5	6/16/2017	Registered/Granted	China

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HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	12758110.6	3/7/2012	2683762	6/27/2018	Registered/Granted	European Patent Office
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	12758110.6	3/7/2012	602012047850	6/27/2018	Registered/Granted	Germany
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	10-2013-7026739	3/7/2012	10-1853999	4/25/2018	Registered/Granted	Republic of Korea
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	12758110.6	3/7/2012	2683762	6/27/2018	Registered/Granted	France

HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	12758110.6	3/7/2012	2683762	6/27/2018	Registered/Granted	United Kingdom
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	12758110.6	3/7/2012	502018000028293	6/27/2018	Registered/Granted	Italy
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	12758110.6	3/7/2012	2683762	6/27/2018	Registered/Granted	Netherlands
HEAT SEALABLE FOOD PACKING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	15/291.267	10/12/2016	10.435.225	10/8/2019	Registered/Granted	United States of America
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	16/161.662	10/16/2018	10537884	1/21/2020	Registered/Granted	United States of America

HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	BR112017012990-6	12/9/2015	112017012990-6	8/3/2021	Registered/Granted	Brazil
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	European Patent Office
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	201717019260	12/9/2015	354107	12/21/2020	Registered/Granted	India
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	2017-552002	12/9/2015	6559251	7/26/2019	Registered/Granted	Japan
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	2017122224	12/9/2015	2672912	11/21/2018	Registered/Granted	Russian Federation
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	1701003187	12/9/2015			Pending	Thailand
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	Belgium

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HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	Czech Republic
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	Germany
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	602015037510.6	9/4/2019	Registered/Granted	Germany
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	France
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	United Kingdom
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	502019000099357	9/4/2019	Registered/Granted	Italy
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	Netherlands

HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	15870717.4	12/9/2015	3233804	9/4/2019	Registered/Granted	Poland
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	201209037-9	6/3/2011	SG186237	10/9/2016	Registered/Granted	Singapore
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	10-2012-7033746	6/3/2011	10-1804596	11/28/2017	Registered/Granted	Republic of Korea
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	W-00 2012 05131	6/3/2011	W-00 2012 05131	9/27/2016	Registered/Granted	Indonesia
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	11792928.1	6/3/2011	2580181	1/8/2020	EP Granted	European Patent Office
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	2012156422	6/3/2011	RU2562236C2	9/10/2015	Registered/Granted	Russian Federation
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	11792928.1	6/3/2011	2580181	1/8/2020	Registered/Granted	Belgium
IMPROVED METHOD FOR THE DECOMPOSITION OF	11792928.1	6/3/2011	602011064527.7	1/8/2020	Registered/Granted	Germany

CUMENE HYDROPEROXIDE							
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	11792928.1	6/3/2011	2580181	1/8/2020	Registered/Granted	France	
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	11792928.1	6/3/2011	2580181	1/8/2020	Registered/Granted	United Kingdom	
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	11792928.1	6/3/2011	502020000027949	1/8/2020	Registered/Granted	Italy	
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	11792928.1	6/3/2011	2580181	1/8/2020	Registered/Granted	Netherlands	
LAMINATE FILM, PACKAGE, AND METHODS FOR OXYGEN- SENSITIVE MATERIALS	108108565	3/14/2019			Pending	Taiwan	
LAMINATE FILM, PACKAGE, AND METHODS FOR OXYGEN- SENSITIVE MATERIALS	16/295,724	3/7/2019			Pending	United States of America	
LAMINATE FILM, PACKAGE, AND METHODS FOR OXYGEN- SENSITIVE MATERIALS	201980029236.9	3/7/2019			Pending	China	
LAMINATE FILM, PACKAGE, AND METHODS FOR OXYGEN- SENSITIVE MATERIALS	19717008.7	3/7/2019			Pending	European Patent Office	

LAMINATE FILM, PACKAGE, AND METHODS FOR OXYGEN-SENSITIVE MATERIALS	2020-549652	3/7/2019				Pending	Japan
LIGHT STABILIZED POLYAMIDE SUBSTRATE AND PROCESS FOR MAKING	96925540.5	7/26/1996	EP0843696B1	4/21/1999		EP Granted	European Patent Office
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	201380013909.4	3/4/2013				Pending	China
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	13761234.7	3/4/2013	2825300	9/9/2020		Registered/Granted	European Patent Office
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	2,866,122	3/4/2013	2,866,122	4/9/2019		Registered/Granted	Canada
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	2014137030	3/4/2013	2614682	3/28/2017		Registered/Granted	Russian Federation
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	201710343696.1	3/4/2013	ZL201710343696.1	9/22/2020		Registered/Granted	China
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	13761234.7	3/4/2013	602013072386.9	9/9/2020		Registered/Granted	Germany
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	13761234.7	3/4/2013	2825300	9/9/2020		Registered/Granted	Spain
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	13761234.7	3/4/2013	2825300	9/9/2020		Registered/Granted	France

METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	13761234.7	3/4/2013	2825300	9/9/2020	Registered/Granted	United Kingdom
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	13761234.7	3/4/2013	502020000112718	9/9/2020	Registered/Granted	Italy
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	13761234.7	3/4/2013	2825300	9/9/2020	Registered/Granted	Netherlands
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	137763.279	2/8/2013	8.652.367	2/18/2014	Registered/Granted	United States of America
METHOD AND COMPOSITION FOR IMPROVED AGGLOMERATION RESISTANCE OF POLYAMIDE POLYMERS	18722363.1	4/18/2018			Pending	European Patent Office
METHOD AND COMPOSITION FOR IMPROVED AGGLOMERATION RESISTANCE OF POLYAMIDE POLYMERS	10-2019-7031100	4/18/2018	10-2257775	5/24/2021	Registered/Granted	Republic of Korea
METHOD AND COMPOSITION FOR IMPROVED AGGLOMERATION RESISTANCE OF POLYAMIDE POLYMERS	16/493.518	4/18/2018			Pending	United States of America
METHOD AND COMPOSITIONS FOR PRODUCING POLYMER BLENDS	15/057.640	3/1/2016	9.916.917	3/13/2018	Registered/Granted	United States of America

METHOD AND COMPOSITIONS FOR PRODUCING POLYMER BLENDS	2,876,654	6/18/2013	2,876,654	3/5/2019	Registered/Granted	Canada
METHOD AND COMPOSITIONS FOR PRODUCING POLYMER BLENDS	MX/a/2014/015613	6/18/2013	375196	9/22/2020	Registered/Granted	Mexico
METHOD AND COMPOSITIONS FOR PRODUCING POLYMER BLENDS	3,020,132	6/18/2013	3,020,132	10/27/2020	Registered/Granted	Canada
METHOD AND COMPOSITIONS FOR PRODUCING POLYMER BLENDS	13/833,490	3/15/2013	9,312,047	4/12/2016	Registered/Granted	United States of America
METHOD FOR PREPARING EXTRUDED POLYAMIDE FOAMS	18786544.9	9/25/2018			Pending	European Patent Office
METHOD FOR PREPARING EXTRUDED POLYAMIDE FOAMS	P00202002920	9/25/2018			Pending	Indonesia
METHOD FOR PREPARING EXTRUDED POLYAMIDE FOAMS	2020-517319	9/25/2018			Pending	Japan
METHOD FOR PREPARING EXTRUDED POLYAMIDE FOAMS	16/649,780	9/25/2018			Pending	United States of America
METHOD FOR PRODUCING ALPHA-METHYL STYRENE FROM CUMENE	201380013114.3	3/1/2013	CN104203880B	4/13/2016	Registered/Granted	China
METHOD FOR PRODUCING ALPHA-METHYL STYRENE FROM CUMENE	13756997.6	3/1/2013	2822920	5/2/2018	Registered/Granted	European Patent Office

METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE	10-2014-7024975	3/1/2013	10-2039761	10/28/2019	Registered/Granted	Republic of Korea
METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE	2014138162	3/1/2013	2619117	5/12/2017	Registered/Granted	Russian Federation
METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE		3/1/2013			Examination in progress	Thailand
METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE	137761,642	27/2013	8,865,957	10/21/2014	Registered/Granted	United States of America
METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE (H29529- 4690 EPC-DE)	13756997.6	3/1/2013	602013036909.7	5/2/2018	Registered/Granted	Germany
METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE (H29529- 4690 EPC-ES)	13756997.6	3/1/2013	2822920	5/2/2018	Registered/Granted	Spain
METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE (H29529- 4690 EPC-FR)	13756997.6	3/1/2013	2822920	5/2/2018	Registered/Granted	France
METHOD FOR PRODUCING ALPHA- METHYL STYRENE FROM CUMENE (H29529- 4690 EPC-GB)	13756997.6	3/1/2013	2822920	5/2/2018	Registered/Granted	United Kingdom

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METHOD FOR PRODUCING ALPHA-METHYL STYRENE FROM CUMENE (H29529-4690 EPC-IT)	13756997.6	3/1/2013	502018000021350	5/2/2018	Registered/Granted	Italy
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	2011323438	11/2/2011	2011323438	5/21/2015	Registered/Granted	Australia
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	2013122694	11/2/2011	RU2581399C2	4/20/2016	Registered/Granted	Russian Federation
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	2013-537775	11/2/2011	6140609	5/12/2017	Registered/Granted	Japan
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	2.816.677	11/2/2011	2.816.677	8/14/2018	Registered/Granted	Canada
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	EP Granted	European Patent Office
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	19193477.7	11/2/2011			Pending	European Patent Office
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Austria
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Belgium

METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Switzerland
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Czech Republic
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	602011061681.1	8/28/2019	Registered/Granted	Germany
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Spain
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	France
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	United Kingdom
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	502019000097233	8/28/2019	Registered/Granted	Italy
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Netherlands
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Poland
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Sweden

METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	11838722.4	11/2/2011	2635528	8/28/2019	Registered/Granted	Turkey
METHOD FOR PRODUCING AMMONIUM SULFATE NITRATE	13/286,440	11/1/2011	9,932,277	4/3/2018	Registered/Granted	United States of America
METHOD FOR RECOVERY OF PHENOL FROM AQUEOUS STREAMS	10/121,996	4/12/2002	6,620,980	9/16/2003	Registered/Granted	United States of America
METHOD FOR REDUCING METHYLBENZOFURAN LEVELS IN HIGH PURITY PHENOL	91106956	4/8/2002	1229663	3/21/2005	Registered/Granted	Taiwan
METHOD FOR REDUCING METHYLBENZOFURAN LEVELS IN HIGH PURITY PHENOL	10-2003-7002144	3/26/2002	KR549559B1	1/27/2006	Registered/Granted	Republic of Korea
METHOD FOR REDUCING METHYLBENZOFURAN LEVELS IN HIGH PURITY PHENOL	915/MUMNP/2003	3/26/2002	209324	9/10/2007	Registered/Granted	India
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	94104077	2/5/2005	TW1261587B	9/11/2006	Registered/Granted	Taiwan
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	94104094	2/5/2005	126642	11/21/2006	Registered/Granted	Taiwan
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	588/CHENP/2007	2/3/2005	239565	3/24/2010	Registered/Granted	India
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	2007-525594	2/3/2005	JP4226056B2	12/5/2008	Registered/Granted	Japan

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METHOD FOR REMOVAL OF ACETOL FROM PHENOL	10-2007-7005426	2/3/2005	KR101146249B1	5/8/2012	Registered/Granted	Republic of Korea
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	200580008935.3	2/3/2005	CN1942423B	5/5/2010	Registered/Granted	China
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	3486/CHENP/2006	2/3/2005	238483	2/8/2010	Registered/Granted	India
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	2007-504949	2/3/2005	JP4226054B2	12/5/2008	Registered/Granted	Japan
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	05712667.4	2/3/2005	EP1727779B1	10/6/2013	Registered/Granted	European Patent Office
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	10/944.315	9/16/2004	7.002.048	2/21/2006	Registered/Granted	United States of America
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	10/915.723	8/9/2004	7.034.192	4/25/2006	Registered/Granted	United States of America
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712610.4	2/3/2005	EP1776326	1/25/2012	Registered/Granted	Belgium
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	05712610.4	2/3/2005	EP1776326	1/25/2012	Registered/Granted	Germany
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712610.4	2/3/2005	EP1776326	1/25/2012	Registered/Granted	Spain
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712610.4	2/3/2005	EP1776326	1/25/2012	Registered/Granted	France
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712610.4	2/3/2005	EP1776326	1/25/2012	Registered/Granted	United Kingdom

METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712610.4	2/3/2005	EP1776326	1/25/2012	Registered/Granted	Italy
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712610.4	2/3/2005	EP1776326	1/25/2012	Registered/Granted	Poland
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	05712667.4	2/3/2005	EP1727779	10/9/2013	Registered/Granted	Germany
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	05712667.4	2/3/2005	EP1727779	10/9/2013	Registered/Granted	Spain
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712667.4	2/3/2005	EP1727779	10/9/2013	Registered/Granted	France
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	5712667.4	2/3/2005	EP1727779	10/9/2013	Registered/Granted	United Kingdom
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	05712667.4	2/3/2005	EP1727779	10/9/2013	Registered/Granted	Italy
METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	13/432.141	3/28/2012	8,247,616	8/21/2012	Registered/Granted	United States of America
METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	201180028747.2	6/3/2011	CN103108855B	7/22/2015	Registered/Granted	China
METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	2013-514234	6/3/2011	JP5793187B2	8/14/2015	Registered/Granted	Japan
METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	11398/DELNP/2012	6/3/2011	304568	12/17/2018	Registered/Granted	India

METHOD OF GRANULATION BY HARDENING	2006132816	9/13/2006	2416593	4/20/2011	Registered/Granted	Russian Federation
METHOD/PRODUCING POLYAMIDE CARPET W/FLAME RETARDANCY	93103267.6		EP0559128	5/19/1999	EP Granted	United Kingdom
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	107121752	6/25/2018	1680991	1/1/2020	Registered/Granted	Taiwan
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	18742632.5	6/22/2018			Registered/Granted	Belgium
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	18742632.5	6/22/2018			Registered/Granted	France
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	18742632.5	6/22/2018			Registered/Granted	Germany
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	18742632.5	6/22/2018			Registered/Granted	United Kingdom

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METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	18742632.5	6/22/2018		Registered/Granted	Netherlands	
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	2018292248	6/22/2018	2018292248	7/8/2021	Registered/Granted	Australia
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	2020-520198	6/22/2018			Pending	Japan
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	16/611.384	6/22/2018			Pending	United States of America
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS - FAST TRACK	1905203.4	6/22/2018	GB2570067	9/16/2020	Registered/Granted	United Kingdom
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	2011105326	7/9/2009	RU2522353C2	5/16/2014	Registered/Granted	Russian Federation

METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	2011-518799	7/9/2009	5731973	4/17/2015	Registered/Granted	Japan
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	609/DELNP/2011	7/9/2009	274574	7/29/2016	Registered/Granted	India
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	European Patent Office
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	PCT 102/2011	7/9/2009	26632	4/14/2014	Registered/Granted	Egypt
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	200980135788.4	7/9/2009	CN102149637B	1/20/2016	Registered/Granted	China
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	2.730.992	7/9/2009	2.730.992	12/5/2017	Registered/Granted	Canada

METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	2009271213	7/9/2009	2009271213	6/26/2014	Registered/Granted	Australia
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	Belgium
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	Switzerland
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	Germany
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	France
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	United Kingdom

METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	Ireland
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	Netherlands
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	Sweden
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	09798582.4	7/9/2009	2303778	5/2/2018	Registered/Granted	Turkey
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	12/499,617	7/8/2009	8,623,315	1/7/2014	Registered/Granted	United States of America
METHODS FOR PREPARING POLYAMIDE COMPOSITIONS	13/678,000	11/15/2012	8,722,844	5/13/2014	Registered/Granted	United States of America
MULTILAYER AIRBAG USING NON-WOVEN FABRIC AND REINFORCED SCRIM	07784242.5	5/31/2007	2026967	5/2/2018	Registered/Granted	European Patent Office
MULTILAYER AIRBAG USING NON-WOVEN	11/809,050	5/30/2007	7,803,724	9/28/2010	Registered/Granted	United States of America

FABRIC AND REINFORCED SCRIM								
MULTI-LAYER FILM/BOTTLE FOR OZONE SCAVENGING	17929798.1	10/26/2017					Pending	European Patent Office
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	093135249	11/17/2004	1379867	12/21/2012			Registered/Granted	Taiwan
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	201110041787.2	11/15/2004					Pending	China
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10174174.2	11/15/2004	EP2253661B1	7/31/2013			Registered/Granted	European Patent Office
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10-2006-7012189	11/15/2004	101265536	5/13/2013			Registered/Granted	Republic of Korea
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	2852/DEL.NP/2006	11/15/2004	234178	9/27/2012			Registered/Granted	India

MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	200480040598.1	11/15/2004	200480040598.1	4/20/2011	Registered/Granted	China
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	2,546,346	11/15/2004	2,546,346	7/10/2012	Registered/Granted	Canada
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10174174.2	11/15/2004	EP2253661B1	7/31/2013	Registered/Granted	Germany
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10174174.2	11/15/2004	EP2253661B1	7/31/2013	Registered/Granted	France
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10174174.2	11/15/2004	EP2253661B1	7/31/2013	Registered/Granted	United Kingdom
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10174174.2	11/15/2004	EP2253661B1	7/31/2013	Registered/Granted	Italy

MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10/7/17,048	11/18/2003	7,258,920	8/21/2007	Registered/Granted	United States of America
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	04801073.0	11/15/2004	EP1699861B1	7/9/2014	EP Granted	European Patent Office
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	04801073.0	11/15/2004	EP1699861B1	7/9/2014	Registered/Granted	Germany
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	04801073.0	11/15/2004	EP1699861B1	7/9/2014	Registered/Granted	France
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	04801073.0	11/15/2004	EP1699861B1	7/9/2014	Registered/Granted	United Kingdom
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	04801073.0	11/15/2004	EP1699861B1	7/9/2014	Registered/Granted	Italy

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NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	15/279,837	9/29/2016	9,822,052	11/21/2017	Registered/Granted	United States of America
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556,6	9/29/2016	3356319	6/24/2020	Registered/Granted	European Patent Office
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	2018-516822	9/29/2016	6771549	10/1/2020	Registered/Granted	Japan
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	2018114734	9/29/2016	2717342	3/23/2020	Registered/Granted	Russian Federation
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556,6	9/29/2016	3356319	6/24/2020	Registered/Granted	Belgium
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556,6	9/29/2016	3356319	6/24/2020	Registered/Granted	Czech Republic
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556,6	9/29/2016	602016038903.7	6/24/2020	Registered/Granted	Germany
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556,6	9/29/2016	3356319	6/24/2020	Registered/Granted	Spain

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NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556.6	9/29/2016	3356319	6/24/2020	Registered/Granted	France
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556.6	9/29/2016	3356319	6/24/2020	Registered/Granted	United Kingdom
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556.6	9/29/2016	50202000089167	6/24/2020	Registered/Granted	Italy
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	16852556.6	9/29/2016	3356319	6/24/2020	Registered/Granted	Netherlands
NH3 OXIDIZER GAS DISTRIBUTOR	9722/DELNP/2013	6/18/2012	360225	3/4/2021	Registered/Granted	India
NH3 OXIDIZER GAS DISTRIBUTOR	201280030314.5	6/18/2012	CN103619465B	11/25/2015	Registered/Granted	China
NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	2723489	7/24/2019	EP Granted	European Patent Office
NH3 OXIDIZER GAS DISTRIBUTOR	2014-517044	6/18/2012	JP5906311B2	3/25/2016	Registered/Granted	Japan
NH3 OXIDIZER GAS DISTRIBUTOR	2013153150	6/18/2012	2621772	6/7/2017	Registered/Granted	Russian Federation
NH3 OXIDIZER GAS DISTRIBUTOR	2.836492	6/18/2012	2.836.492	7/2/2019	Registered/Granted	Canada
NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	2723489	7/24/2019	Registered/Granted	Belgium
NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	602012062299.7	7/24/2019	Registered/Granted	Germany
NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	2723489	7/24/2019	Registered/Granted	France

NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	2723489	7/24/2019	Registered/Granted	United Kingdom
NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	502019000084152	7/24/2019	Registered/Granted	Italy
NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	2723489	7/24/2019	Registered/Granted	Netherlands
NH3 OXIDIZER GAS DISTRIBUTOR	12803283.6	6/18/2012	2723489	7/24/2019	Registered/Granted	Sweden
NH3 OXIDIZER GAS DISTRIBUTOR	13/164,194	6/20/2011	8,734,728	5/27/2014	Registered/Granted	United States of America
OPTIMIZATION OF CAUSTIC USAGE	091106960	4/8/2002	NI-204111	6/21/2004	Registered/Granted	Taiwan
OPTIMIZATION OF CAUSTIC USAGE	02801539.8	3/26/2002	ZL02801539.8	3/8/2006	Registered/Granted	China
OPTIMIZATION OF CAUSTIC USAGE	916/MUMNP/2003	3/26/2002	203773	11/15/2006	Registered/Granted	India
OPTIMIZATION OF CAUSTIC USAGE	2002-587387	3/26/2002	JP3711110B2	8/19/2005	Registered/Granted	Japan
OPTIMIZATION OF CAUSTIC USAGE	10-2003-7000220	3/26/2002	KR100543580B1	1/20/2006	Registered/Granted	Republic of Korea
OPTIMIZATION OF CAUSTIC USAGE	02723625.6	3/26/2002	EP1385810B1	9/1/2010	Registered/Granted	Belgium
OPTIMIZATION OF CAUSTIC USAGE	02723625.6	3/26/2002	EP1385810B1	9/1/2010	Registered/Granted	Germany
OPTIMIZATION OF CAUSTIC USAGE	02723625.6	3/26/2002	EP1385810B1	9/1/2010	Registered/Granted	Spain
OPTIMIZATION OF CAUSTIC USAGE	02723625.6	3/26/2002	EP1385810B1	9/1/2010	Registered/Granted	Finland
OPTIMIZATION OF CAUSTIC USAGE	02723625.6	3/26/2002	EP1385810B1	9/1/2010	Registered/Granted	France
OPTIMIZATION OF CAUSTIC USAGE	02723625.6	3/26/2002	EP1385810B1	9/1/2010	Registered/Granted	Italy
OPTIMIZATION OF CAUSTIC USAGE	02723625.6	3/26/2002	EP1385810B1	9/1/2010	Registered/Granted	Netherlands
OPTIMIZATION OF CAUSTIC USAGE	09/850,625	5/7/2001	6,667,178	12/23/2003	Registered/Granted	United States of America

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OXIMATION OF KA OIL BY-PRODUCT	14773007.1	3/12/2014	2970075	2/20/2019	Registered/Granted	European Patent Office
OXIMATION OF KA OIL BY-PRODUCT	14773007.1	3/12/2014	2970075	2/20/2019	Registered/Granted	Belgium
OXIMATION OF KA OIL BY-PRODUCT	14773007.1	3/12/2014	2970075	2/20/2019	Registered/Granted	Germany
OXIMATION OF KA OIL BY-PRODUCT	14773007.1	3/12/2014	2970075	2/20/2019	Registered/Granted	France
OXIMATION OF KA OIL BY-PRODUCT	14773007.1	3/12/2014	2970075	2/20/2019	Registered/Granted	United Kingdom
OXIMATION OF KA OIL BY-PRODUCT	14773007.1	3/12/2014	502019000031796	2/20/2019	Registered/Granted	Italy
OXIMATION OF KA OIL BY-PRODUCT	14773007.1	3/12/2014	2970075	2/20/2019	Registered/Granted	Netherlands
OXIMATION OF KA OIL BY-PRODUCT	202010101651.5	3/12/2014			Pending	China
OXIMATION OF KA OIL BY-PRODUCT	14/204,682	3/11/2014	9,382,195	7/5/2016	Registered/Granted	United States of America
OXIGEN SCAVENGING HIGH BARRIER POLYAMIDE COMPOSITIONS FOR PACKAGING APPLICATIONS	BR20010110563A	5/2/2001	PI0110563-9	6/26/2012	Registered/Granted	Brazil
OXIGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE APPLICATIONS	02709583.5	2/19/2002	EP1366119	7/25/2007	Registered/Granted	European Patent Office
OXIGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE APPLICATIONS	2002244061	2/19/2002	AU2002244061B2	9/9/2004	Registered/Granted	Australia

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OXYGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE APPLICATIONS	2709583.5	2/19/2002	EP1366119	7/25/2007	Registered/Granted	Austria
OXYGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE APPLICATIONS	2709583.5	2/19/2002	EP1366119	7/25/2007	Registered/Granted	Belgium
OXYGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE APPLICATIONS	2709583.5	2/19/2002	EP1366119	7/25/2007	Registered/Granted	Switzerland
OXYGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE APPLICATIONS	2709583.5	2/19/2002	60221361.4	7/25/2007	Registered/Granted	Germany
OXYGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE APPLICATIONS	2709583.5	2/19/2002	EP1366119	7/25/2007	Registered/Granted	France
PASTILLATION OF AMMONIUM SULFATE NITRATE	13/163,861	6/20/2011	8,268,279	9/18/2012	Registered/Granted	United States of America
PASTILLATION OF AMMONIUM SULFATE NITRATE	201080023931.3	3/30/2010	CN102448911B	6/17/2015	Registered/Granted	China
PASTILLATION OF AMMONIUM SULFATE NITRATE	201112680	3/30/2010	104172	1/10/2014	Registered/Granted	Ukraine
PASTILLATION OF AMMONIUM SULFATE NITRATE	2010234908	3/30/2010			Registered/Granted	Australia

PASTILLATION OF AMMONIUM SULFATE NITRATE	2012-503587	3/30/2010	6046489	11/25/2016	Registered/Granted	Japan
PASTILLATION OF AMMONIUM SULFATE NITRATE	2011142093	3/30/2010	RU2537810C2	1/10/2015	Registered/Granted	Russian Federation
PASTILLATION OF AMMONIUM SULFATE NITRATE	2.757.445	3/30/2010	2.757.445	10/17/2017	Registered/Granted	Canada
PASTILLATION OF AMMONIUM SULFATE NITRATE	BR2010PI13631	3/30/2010	PI1013631-2	7/20/2021	Registered/Granted	Brazil
PASTILLATION OF AMMONIUM SULFATE NITRATE	7554/DELNP/2011	3/30/2010	300916	9/11/2018	Registered/Granted	India
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	2414307	11/6/2019	Registered/Granted	Belgium
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	602010061832.3	11/6/2019	Registered/Granted	Germany
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	2414307	11/6/2019	Registered/Granted	Spain
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	2414307	11/6/2019	Registered/Granted	France
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	2414307	11/6/2019	Registered/Granted	United Kingdom
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	502020000007327	11/6/2019	Registered/Granted	Italy
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	2414307	11/6/2019	Registered/Granted	Netherlands

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PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	2414307	11/6/2019	Registered/Granted	Sweden
PASTILLATION OF AMMONIUM SULFATE NITRATE	10762164.1	3/30/2010	2019/21501	11/6/2019	Registered/Granted	Turkey
PASTILLATION OF AMMONIUM SULFATE NITRATE	12/415.312	3/31/2009	7,985,393	7/26/2011	Registered/Granted	United States of America
PHENOL WITH LOW LEVELS OF METHYLBENZOFURAN	95918294.0	5/3/1995	EP0764146B1	8/4/1999	EP Granted	European Patent Office
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER	15/650.407	7/14/2017	10,442,928	10/15/2019	Registered/Granted	United States of America
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER	2017301624	7/14/2017	2017301624	9/2/2021	Registered/Granted	Australia
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER	201780060051.5	7/14/2017	ZL201780060051.5	9/3/2021	Registered/Granted	China
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER	PID201900704	7/14/2017			Application allowed	Indonesia
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER	2019-503993	7/14/2017	6902092	6/22/2021	Registered/Granted	Japan
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER	106125002	7/26/2017	1644941	12/21/2018	Registered/Granted	Taiwan

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POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	06804291.0	9/28/2006	EP1969061	2/1/2012	Registered/Granted	European Patent Office
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	200680053385.1	9/28/2006	CN101389709B	10/5/2011	Registered/Granted	China
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	10-2008-7018569	9/28/2006	KR101272057B1	6/10/2013	Registered/Granted	Republic of Korea
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	6804291	9/28/2006	602006027459.9	2/1/2012	Registered/Granted	Germany
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	6804291	9/28/2006	EP1969061	2/1/2012	Registered/Granted	Spain
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	6804291	9/28/2006	EP1969061	2/1/2012	Registered/Granted	France
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	6804291	9/28/2006	EP1969061	2/1/2012	Registered/Granted	United Kingdom
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	06804291.0	9/28/2006	EP1969061	2/1/2012	Registered/Granted	Italy

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POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	6804291	9/28/2006	EP1969061	2/1/2012	Registered/Granted	Portugal
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	11/321,575	12/29/2005	7,427,430	9/23/2008	Registered/Granted	United States of America
POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS	14/353,955	5/31/2012	9,416,270	8/16/2016	Registered/Granted	United States of America
POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS	11201402052Q	5/31/2012	11201402052Q	5/26/2016	Registered/Granted	Singapore
POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS	201280055824.8	5/31/2012	CN103917600B	10/12/2016	Registered/Granted	China
POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS	1401002621	5/31/2012			Pending	Thailand
POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS	3557/DELNP/2014	5/31/2012	322500	10/10/2019	Registered/Granted	India
POLYAMIDE COMPOSITION, CABLE THE MADE THEREOF AND ITS MANUFACTURING METHOD	2013-526293	9/3/2010	JP5764211B2	6/19/2015	Registered/Granted	Japan
POLYAMIDE COMPOSITION, CABLE THE MADE THEREOF AND ITS MANUFACTURING METHOD	201080068900.X	9/3/2010	CN103068692B	11/25/2015	Registered/Granted	China

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POLYAMIDE TERPOLYMERS FOR MANUFACTURE OF TRANSPARENT ARTICLES	18727537.5	5/8/2018				Pending	European Patent Office
POLYAMIDE TERPOLYMERS FOR MANUFACTURE OF TRANSPARENT ARTICLES	10-2019-7032861	5/8/2018	10-2206786	1/19/2021	Registered/Granted	Registered/Granted	Republic of Korea
POLYAMIDE TERPOLYMERS FOR MANUFACTURE OF TRANSPARENT ARTICLES	16/612.334	5/8/2018				Pending	United States of America
POLYAMIDE-BASED MASTERBATCH FORMULATION	PCT/US2021/018270	2/16/2021				Pending	Patent Cooperation Treaty
POLYMER COMPOSITIONS FOR FORMING AN ENAMEL COATING ON A WIRE	PCT/US2020/033941	5/21/2020				Pending	Patent Cooperation Treaty
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	12/851.363	8/5/2010	8,106,116	1/31/2012	Registered/Granted	Registered/Granted	United States of America
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	093135248	11/17/2004	TWI372160B	9/11/2012	Registered/Granted	Registered/Granted	Taiwan
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10174175.9	11/15/2004	EP2253662B1	6/3/2015	EP Granted	EP Granted	European Patent Office

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PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10-2006-7012190	11/15/2004	KR101123824B1	3/15/2012	Registered/Granted	Republic of Korea
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	2862/DELNP/2006	11/15/2004	256759	7/25/2013	Registered/Granted	India
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	200480040596.2	11/15/2004	CN1922254B	9/28/2011	Registered/Granted	China
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	2,546,351	11/15/2004	2,546,351	5/8/2012	Registered/Granted	Canada
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10174175.9	11/15/2004	602004047320.0	6/3/2015	Registered/Granted	Germany
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10174175.9	11/15/2004	EP2253662B1	6/3/2015	Registered/Granted	France
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10174175.9	11/15/2004	EP2253662B1	6/3/2015	Registered/Granted	United Kingdom

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PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	10174175.9	11/15/2004	EP2253662B1	6/3/2015	Registered/Granted	Italy
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04801074.8	11/15/2004	602004045441.9	7/9/2014	Registered/Granted	Germany
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04801074.8	11/15/2004	EP1694761B1	7/9/2014	Registered/Granted	France
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04801074.8	11/15/2004	EP1694761B1	7/9/2014	Registered/Granted	United Kingdom
PRE-FIBER GEL COMPOSITIONS AND MATERIALS, METHODS OF MANUFACTURE AND USES THEREOF	04801074.8	11/15/2004	EP1694761B1	7/9/2014	Registered/Granted	Italy
PRE-FIBER GEL MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	10/716,584	11/18/2003	7,790,789	9/7/2010	Registered/Granted	United States of America
PREPARATION OF POLYAMIDES	09/554,216	11/24/1998	6,429,279	8/6/2002	Registered/Granted	United States of America
PRILLING METHOD	PA/a/2006/010999	9/26/2006	298831	5/4/2012	Registered/Granted	Mexico
PRILLING METHOD	200610146488.4	9/26/2006	CN101152622B	4/10/2013	Registered/Granted	China

PRILLING METHOD	MX/a/2012/000306	9/26/2006	307480	2/20/2013	Registered/Granted	Mexico
PRILLING METHOD	2006220429	9/21/2006	2006220429	8/9/2012	Registered/Granted	Australia
PRILLING METHOD	A20060895	9/12/2006	16931	5/21/2013	Registered/Granted	Belarus
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	European Patent Office
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	Belgium
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	Germany
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	Spain
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	France
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	United Kingdom
PRILLING METHOD	06120372.5	9/8/2006	20190401337	2/6/2019	Registered/Granted	Greece
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	Lithuania
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	Netherlands
PRILLING METHOD	06120372.5	9/8/2006	1897610	2/6/2019	Registered/Granted	Turkey
PRILLING METHOD	2.558.902	9/7/2006	2.558.902	3/18/2014	Registered/Granted	Canada
PRILLING METHOD	06270454	12/9/2006	2297	11/10/2009	Registered/Granted	Saudi Arabia
PRILLING METHOD	566/2006	10/30/2006	24350	2/22/2009	Registered/Granted	Egypt
PRILLING METHOD	SN06.307	9/27/2006	19564	2/5/2008	Registered/Granted	Tunisia
PRILLING METHOD	a200609758	9/11/2006	91334	7/26/2010	Registered/Granted	Ukraine
PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	16/633.155	6/27/2018			Pending	United States of America
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	EP Granted	European Patent Office
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	2.863.030	1/21/2013	2.863.030	12/31/2019	Registered/Granted	Canada
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	2014132446	1/21/2013			Application allowed	Russian Federation
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	Registered/Granted	Belgium

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PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	Registered/Granted	Switzerland
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	Registered/Granted	Germany
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	Registered/Granted	France
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	Registered/Granted	United Kingdom
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	Registered/Granted	Italy
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	2809630	12/5/2018	Registered/Granted	Netherlands
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	13742876.9	1/21/2013	TR2019/02944	12/5/2018	Registered/Granted	Turkey
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	137743,090	1/16/2013	9,464,008	10/11/2016	Registered/Granted	United States of America
PROCESS FOR RECOVERY OF CUMENE HYDROPEROXIDE DECOMPOSITION PRODUCTS BY DISTILLATION	200680042369.2	11/10/2006	CN101309901B	8/15/2012	Registered/Granted	China
PROCESS FOR RECOVERY OF CUMENE HYDROPEROXIDE DECOMPOSITION PRODUCTS BY DISTILLATION	10-2008-7011173	11/10/2006	1012157B1	1/25/2011	Registered/Granted	Republic of Korea

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PROCESS FOR RECOVERY OF CUMENE HYDROPEROXIDE DECOMPOSITION PRODUCTS BY DISTILLATION	0601005548	11/8/2006	27953	5/26/2010	Registered/Granted	Thailand
PROCESS FOR RECOVERY OF CUMENE HYDROPEROXIDE DECOMPOSITION PRODUCTS BY DISTILLATION	95136938	10/4/2006	1311132	6/21/2009	Registered/Granted	Taiwan
PROCESS FOR RECOVERY OF CUMENE HYDROPEROXIDE DECOMPOSITION PRODUCTS BY DISTILLATION	11/273,411	11/14/2005	7,186,866	3/6/2007	Registered/Granted	United States of America
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	2,864,852	3/18/2013	2,864,852	4/26/2016	Registered/Granted	Canada
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	BR1120140205035	3/18/2013			Application allowed	Brazil
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	201380016096.4	3/18/2013	ZL201380016096.4	11/25/2015	Registered/Granted	China

PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	European Patent Office
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	10-2014-7027359	3/18/2013	KR101645608B1	7/29/2016	Registered/Granted	Republic of Korea
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	MX/a/20141011361	3/18/2013	337384B	10/14/2014	Registered/Granted	Mexico
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	11201404865T	3/18/2013	11201404865T	1/4/2016	Registered/Granted	Singapore
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Belgium
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Czech Republic

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PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Germany
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Denmark
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Spain
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Finland
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	France
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	United Kingdom

PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	502017000122693	8/2/2017	Registered/Granted	Italy
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Netherlands
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13770286.6	3/18/2013	2831202	8/2/2017	Registered/Granted	Sweden
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMUM IONIC LIQUIDS	13/429,596	3/26/2012	8,709,236	4/29/2014	Registered/Granted	United States of America
PROCESS FOR THE SYNTHESIS OF N-SUBSTITUTED LACTAMS AND AMIDES	17/115,396	12/8/2020			Pending	United States of America
PROCESS FOR THE SYNTHESIS OF N-SUBSTITUTED LACTAMS AND AMIDES	PCT/US2020/063790	12/8/2020			Pending	Patent Cooperation Treaty
SEMI-AROMATIC COPOLYAMIDES BASED ON CAPROLACTAM	18723135.2	4/18/2018			Pending	European Patent Office
SEMI-AROMATIC COPOLYAMIDES BASED ON CAPROLACTAM	10-2019-7031101	4/18/2018	10-2263527	6/4/2021	Registered/Granted	Republic of Korea

SEMI-AROMATIC POLYAMIDES BASED ON CAPROLACTAM	16/495,048	4/18/2018				Pending	United States of America
SILOXANE DERIVATIVES OF AMINO ACIDS HAVING SURFACE- ACTIVE PROPERTIES	17/230,278	4/14/2021				Pending	United States of America
SILOXANE DERIVATIVES OF AMINO ACIDS HAVING SURFACE- ACTIVE PROPERTIES	16/990,855	8/11/2020	11,008,348	5/18/2021		Registered/Granted	United States of America
SILOXANE DERIVATIVES OF AMINO ACIDS HAVING SURFACE- ACTIVE PROPERTIES	PCT/US2020/045797	8/11/2020				Pending	Patent Cooperation Treaty
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	13/289,700	11/4/2011	8,814,977	8/26/2014		Registered/Granted	United States of America
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	200810355	1/13/2007	UA97239C2	1/25/2012		Registered/Granted	Ukraine
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	SN08.302	1/13/2007	20504	3/4/2010		Registered/Granted	Tunisia
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	2008132337	1/13/2007	RU2435748C2	12/10/2011		Registered/Granted	Russian Federation
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	MX/a/2008/008910	1/13/2007	MX337899B	3/28/2016		Registered/Granted	Mexico
STABILIZED COMPOSITIONS	MY2008P102588	1/13/2007	MY-151057-A	3/31/2014		Registered/Granted	Malaysia

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COMPRISING AMMONIUM NITRATE								
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	W-00 2008 02339	1/13/2007				Pending	Indonesia	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	6095/DELNP/2008	1/13/2007	279018	1/9/2017	Registered/Granted	Registered/Granted	India	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	AP 2007 10866	1/13/2007	P5876	7/10/2013	Registered/Granted	Registered/Granted	Georgia	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	Registered/Granted	European Patent Office	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	07710125.1	1/13/2007	EP1981830B1	5/7/2014	EP Granted	EP Granted	European Patent Office	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	1170/2008	1/13/2007	29586	1/12/2020	Registered/Granted	Registered/Granted	Egypt	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	200780002274.2	1/13/2007	ZL200780002274.2	12/4/2013	Registered/Granted	Registered/Granted	China	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	2.636,486	1/13/2007	2.636,486	11/18/2014	Registered/Granted	Registered/Granted	Canada	
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	PI0706508-6	1/13/2007	PI0706508-6	7/27/2021	Registered/Granted	Registered/Granted	Brazil	

STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	a20081042	1/13/2007	16701	9/26/2012	Registered/Granted	Belarus
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	2007205959	1/13/2007	2007205959B2	8/25/2011	Registered/Granted	Australia
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	2014-224127	1/13/2007	JP5852211B	12/11/2015	Registered/Granted	Japan
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	2014-224125	1/13/2007	JP5913527B2	4/8/2016	Registered/Granted	Japan
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	Mx/a/2015/003026	1/13/2007	382737	5/19/2021	Registered/Granted	Mexico
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	07710125.1	1/13/2007	EP1981830B1	5/7/2014	Registered/Granted	Germany
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	07710125.1	1/13/2007	EP1981830B1	5/7/2014	Registered/Granted	Spain
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	07710125.1	1/13/2007	EP1981830B1	5/7/2014	Registered/Granted	France
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	07710125.1	1/13/2007	EP1981830B1	5/7/2014	Registered/Granted	United Kingdom
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	07710125.1	1/13/2007	502014902281163	5/7/2014	Registered/Granted	Italy

STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	07710125.1	1/13/2007	EP1981830B1	5/7/2014	Registered/Granted	Poland
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	Belgium
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	Switzerland
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	602007058343.8	5/8/2019	Registered/Granted	Germany
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007				
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	Spain
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	France
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	United Kingdom
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	Ireland
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	502019000057672	5/8/2019	Registered/Granted	Italy
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	Netherlands

STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2325155	5/8/2019	Registered/Granted	Sweden
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11157694.8	1/13/2007	2019/08995	5/8/2019	Registered/Granted	Turkey
STABILIZED COMPOSITIONS COMPRISING AMMONIUM NITRATE	11/622,878	1/12/2007	8,075,660	12/13/2011	Registered/Granted	United States of America
STAIN RESISTANT POLYAMIDE POLYMERS OBTAINED VIA HIGH END GROUP TERMINATION	201980088585.8	10/23/2019			Pending	China
STAIN RESISTANT POLYAMIDE POLYMERS OBTAINED VIA HIGH END GROUP TERMINATION	19804935.5	10/23/2019			Pending	European Patent Office
STAIN-RESISTANT BRANCHED POLYAMIDES	17/177,182	2/16/2021			Pending	United States of America
STAIN-RESISTANT BRANCHED POLYAMIDES	PCT/US2021/018268	2/16/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR AGRICULTURAL PRODUCTS	17/196,874	3/9/2021			Pending	United States of America
SURFACTANTS FOR AGRICULTURAL PRODUCTS	PCT/US2021/021569	3/9/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR AGRICULTURAL PRODUCTS	17/118,312	12/10/2020			Pending	United States of America
SURFACTANTS FOR AGRICULTURAL PRODUCTS	PCT/US2020/064347	12/10/2020			Pending	Patent Cooperation Treaty

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SURFACTANTS FOR CLEANING PRODUCTS	17/196,856	3/9/2021			Pending	United States of America
SURFACTANTS FOR CLEANING PRODUCTS	PCT/US2021/021565	3/9/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR CLEANING PRODUCTS	17/120,032	12/11/2020			Pending	United States of America
SURFACTANTS FOR CLEANING PRODUCTS	PCT/US2020/064684	12/11/2020			Pending	Patent Cooperation Treaty
SURFACTANTS FOR ELECTRONICS	17/127,048	12/18/2020			Pending	United States of America
SURFACTANTS FOR ELECTRONICS	PCT/US2020/066031	12/18/2020			Pending	Patent Cooperation Treaty
SURFACTANTS FOR ELECTRONICS PRODUCTS	17/196,994	3/9/2021			Pending	United States of America
SURFACTANTS FOR ELECTRONICS PRODUCTS	PCT/US2021/021595	3/9/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR HEALTHCARE PRODUCTS	17/196,998	3/9/2021			Pending	United States of America
SURFACTANTS FOR HEALTHCARE PRODUCTS	PCT/US2021/021596	3/9/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES	17/197,003	3/9/2021			Pending	United States of America
SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES	PCT/US2021/021597	3/9/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES	PCT/US2020/064687	2/2/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES	17/120,035	12/11/2020			Pending	United States of America
SURFACTANTS FOR OIL AND GAS PRODUCTION	17/196,893	3/9/2021			Pending	United States of America

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SURFACTANTS FOR OIL AND GAS PRODUCTION	PCT/US2021/021574	3/9/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR OIL AND GAS PRODUCTION	17/127,033	12/18/2020			Pending	United States of America
SURFACTANTS FOR OIL AND GAS PRODUCTION	PCT/US2020/066027	12/18/2020			Pending	Patent Cooperation Treaty
SURFACTANTS FOR PERSONAL CARE AND COSMETIC PRODUCTS	17/196,886	3/9/2021			Pending	United States of America
SURFACTANTS FOR PERSONAL CARE AND COSMETIC PRODUCTS	PCT/US2021/021571	3/9/2021			Pending	Patent Cooperation Treaty
SURFACTANTS FOR USE IN HEALTHCARE PRODUCTS	17/120,040	12/11/2020			Pending	United States of America
SURFACTANTS FOR USE IN HEALTHCARE PRODUCTS	PCT/US2020/064692	12/11/2020			Pending	Patent Cooperation Treaty
SURFACTANTS FOR USE IN PERSONAL CARE AND COSMETIC PRODUCTS	17/118,304	12/10/2020			Pending	United States of America
SURFACTANTS FOR USE IN PERSONAL CARE AND COSMETIC PRODUCTS	PCT/US2020/064345	12/10/2020			Pending	Patent Cooperation Treaty
THIXOTROPIC RHEOLOGY MODIFYING AGENT COMPOSITIONS	108110399	3/26/2019			Pending	Taiwan
THIXOTROPIC RHEOLOGY MODIFYING AGENT COMPOSITIONS	201980036201.8	3/25/2019			Pending	China
THIXOTROPIC RHEOLOGY MODIFYING AGENT COMPOSITIONS	19717028.5	3/25/2019			Pending	European Patent Office
THIXOTROPIC RHEOLOGY MODIFYING AGENT COMPOSITIONS	2020-551843	3/25/2019			Pending	Japan

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THIXOTROPIC RHEOLOGY MODIFYING AGENT COMPOSITIONS	16/981.191	3/25/2019				Pending	United States of America
ULTRA HIGH OXYGEN BARRIER FILMS AND ARTICLES MADE THEREFROM	2002255671	3/8/2002	AU2002255671B2	9/2/2004		Registered/Granted	Australia
ULTRA HIGH OXYGEN BARRIER FILMS AND ARTICLES MADE THEREFROM	02809400.X	3/8/2002	CN1328042C	7/25/2007		Registered/Granted	China
ULTRA HIGH OXYGEN BARRIER FILMS AND ARTICLES MADE THEREFROM	91104393	3/8/2002	NI-203804	6/21/2004		Registered/Granted	Taiwan
VARIABLE-ORIFICE PRILL PLATE	201180032485.7	6/24/2011	ZL201180032485.7	2/25/2015		Registered/Granted	China
VARIABLE-ORIFICE PRILL PLATE	BR112012033327-5	6/24/2011	BR112012033327-5	12/26/2018		Registered/Granted	Brazil
VARIABLE-ORIFICE PRILL PLATE	11810071.8	6/24/2011	2588224	5/2/2018		Registered/Granted	European Patent Office
VARIABLE-ORIFICE PRILL PLATE	2012157022	6/24/2011	2558600	7/6/2015		Registered/Granted	Russian Federation
VARIABLE-ORIFICE PRILL PLATE	11810071.8	6/24/2011	602011048097.9	5/2/2018		Registered/Granted	Germany
VARIABLE-ORIFICE PRILL PLATE	11810071.8	6/24/2011	2588224	5/2/2018		Registered/Granted	Spain
VARIABLE-ORIFICE PRILL PLATE	11810071.8	6/24/2011	2588224	5/2/2018		Registered/Granted	France
VARIABLE-ORIFICE PRILL PLATE	11810071.8	6/24/2011	2588224	5/2/2018		Registered/Granted	United Kingdom
VARIABLE-ORIFICE PRILL PLATE	11810071.8	6/24/2011	2588224	5/2/2018		Registered/Granted	Italy
VARIABLE-ORIFICE PRILL PLATE	11810071.8	6/24/2011	2588224	5/2/2018		Registered/Granted	Netherlands

VARIABLE-ORIFICE PRILL PLATE	13/150,699	6/1/2011	8,329,073	12/11/2012	Registered/Granted	United States of America
VISCOSITY CONTROL OF PARTICLE FORMATION BY ADJUSTING AGITATION SPEED	11/924,634	10/26/2007	7,575,365	8/18/2009	Registered/Granted	United States of America
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	13/026,834	2/14/2011	8,652,277	2/18/2014	Registered/Granted	United States of America
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	2011103258	7/9/2009	RU2515379C2	5/10/2014	Registered/Granted	Russian Federation
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	2011-518798	7/9/2009	5596682	8/15/2014	Registered/Granted	Japan
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	620/DELNP/2011	7/9/2009	285486	7/28/2017	Registered/Granted	India
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	European Patent Office

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WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	PCT 101/2011	7/9/2009	EG26334A	8/19/2013	Registered/Granted	Egypt
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	200980135789.9	7/9/2009	CN102149656B	6/22/2016	Registered/Granted	China
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	2.731.093	7/9/2009	2.731.093	2/9/2016	Registered/Granted	Canada
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	2009311605	7/9/2009	2009311605	6/12/2014	Registered/Granted	Australia
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	Belgium
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	Switzerland

WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	602009057875.8	4/10/2019	Registered/Granted	Germany
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	Spain
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	France
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	United Kingdom
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	502019000050763	4/10/2019	Registered/Granted	Ireland
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009		4/10/2019	Registered/Granted	Italy

WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	Netherlands
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2315736	4/10/2019	Registered/Granted	Sweden
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	09825152.3	7/9/2009	2019/09929	4/10/2019	Registered/Granted	Turkey
WIRE AND CABLE JACKET COMPOSITION OF PA6/66 COPOLYMER BASE RESIN FOR IMPROVED PROCESSABILITY AND PROPERTIES	201880030763.7	3/10/2018	ZL201880030763.7	4/16/2021	Registered/Granted	China
WIRE AND CABLE JACKET COMPOSITION OF PA6/66 COPOLYMER BASE RESIN FOR IMPROVED PROCESSABILITY AND PROPERTIES	18715839.9	3/10/2018			Pending	European Patent Office
WIRE AND CABLE JACKET COMPOSITION OF PA6/66 COPOLYMER BASE RESIN FOR IMPROVED	10-2019-7028697	3/10/2018			Application allowed	Republic of Korea

PROCESSABILITY AND PROPERTIES							
WIRE AND CABLE JACKET COMPOSITION OF PA6/66 COPOLYMER BASE RESIN FOR IMPROVED PROCESSABILITY AND PROPERTIES	16/491,082	3/10/2018	10,825,587	11/3/2020	Registered/Granted	United States of America	

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SCHEDULE B
Trademarks

Title	App. No.:	App. Date	Reg. No.:	Reg. Date	Case Status:	Country:
A/6 (Stylized)	107081262	12/17/2018	02000279	7/16/2019	Registered/Granted	Taiwan
A/6 (Stylized)	88/208.339	11/28/2018			Application allowed	United States of America
A/6 (Stylized)	180141724	12/7/2018	201112738	12/7/2018	Registered/Granted	Thailand
A/6 (Stylized)	1478418	12/27/2018	P376876	2/10/2020	Registered/Granted	Venezuela
A/6 (Stylized)	776239	11/30/2018	22907	2/21/2019	Registered/Granted	Peru
A/6 (Stylized)	2018015802	11/30/2018			Pending	Malaysia
A/6 (Stylized)	DID201900811 8	2/18/2019	IDM000825326	1/29/2021	Registered/Granted	Indonesia
A/6 (Stylized)	DID201900811 5	2/18/2019	IDM000743562	5/18/2020	Registered/Granted	Indonesia
A/6 (Stylized)	SENADI-2018- 89777	11/30/2018	SENADI_2020_ TL_192	2/21/2019	Registered/Granted	Ecuador
A/6 (Stylized)	2019-1263	2/14/2019	282606	9/11/2019	Registered/Granted	Costa Rica
A/6 (Stylized)	1.308.303	12/3/2018	1.299.994	6/27/2019	Registered/Granted	Chile
A/6 (Stylized)	1933144	11/29/2018			Pending	Canada
A/6 (Stylized)	916378640	12/5/2018	916378640	8/20/2019	Registered/Granted	Brazil
A/6 (Stylized)	3797607	4/30/2019	3067321	4/3/2020	Registered/Granted	Argentina
A/6 (Stylized)	2018-48513	12/3/2018	258150	4/30/2019	Registered/Granted	Dominican Republic
A/6 (Stylized)	SENADI-2018- 89782	11/30/2018	SENADI_2020_ TL_1220	2/21/2019	Registered/Granted	Ecuador
A/6 (Stylized)	2018015803	11/30/2018			Pending	Malaysia
A/6 (Stylized)	1478318	12/27/2018	P376877	2/10/2020	Registered/Granted	Venezuela
A/6 (Stylized)	1478218	12/27/2018	P376875	2/10/2020	Registered/Granted	Venezuela
A/6 (Stylized)	1448693	12/12/2018	1448693	12/12/2018	Registered/Granted	Madrid Protocol (TM)
A/6 (Stylized)	916378756	12/5/2018	916378756	8/20/2019	Registered/Granted	Brazil
A/6 (Stylized)	180141725	12/7/2018	201111883	5/25/2020	Registered/Granted	Thailand
A/6 (Stylized)	2019/00776	1/10/2019	2019/00776	7/17/2020	Registered/Granted	South Africa

A/6 (Stylized)	2019/00777	1/10/2019	2019/00777	7/17/2020	Registered/Granted	South Africa
A/6 (Stylized)	1987729	12/12/2018	1987729	8/20/2019	Registered/Granted	Australia
A/6 (Stylized)	1448693	12/12/2018	1448693	2/7/2019	Registered/Granted	China
A/6 (Stylized)	1448693	12/12/2018		12/12/2018	Registered/Granted	Colombia
A/6 (Stylized)	1448693	12/12/2018	1448693	2/7/2019	Registered/Granted	Egypt
A/6 (Stylized)	1448693	12/12/2018	1448693	7/2/2019	Registered/Granted	European Union IPO
A/6 (Stylized)	1448693	12/12/2018	1448693	4/30/2019	Registered/Granted	United Kingdom
A/6 (Stylized)	1448693	12/12/2018	1448693	12/12/2018	Registered/Granted	India
A/6 (Stylized)	1448693	12/12/2018	1448693	3/5/2020	Registered/Granted	Japan
A/6 (Stylized)	1448693	12/12/2018	1448693	4/8/2020	Registered/Granted	Republic of Korea
A/6 (Stylized)	1448693	12/12/2018	1448693	2/7/2019	Registered/Granted	Morocco
A/6 (Stylized)	2165710	12/12/2018	2027502	9/2/2019	Registered/Granted	Mexico
A/6 (Stylized)	1448693	12/12/2018	1448693	8/23/2019	Registered/Granted	Russian Federation
A/6 (Stylized)	1448693	12/12/2018	1448693	12/12/2018	Registered/Granted	Ukraine
A/6 (Stylized)	1448693	12/12/2018	1448693	1/24/2020	Registered/Granted	Vietnam
A/6 (Stylized)	3.797.608	4/30/2019	3184782	7/23/2021	Registered/Granted	Argentina
A/6 (Stylized)	2165711		2027503	9/2/2019	Registered/Granted	Mexico
A/6 (Stylized)	1448693	12/12/2018	UK00801448693	7/2/2019	Registered/Granted	United Kingdom
ADVANSIX	87/360,292	3/6/2017	5,321,829	10/31/2017	Registered/Granted	United States of America
ADVANSIX	3,639,892	9/6/2017	2,991,869	7/4/2019	Registered/Granted	Argentina
ADVANSIX	1,266,245	9/5/2017	1,280,925	8/29/2018	Registered/Granted	Chile
ADVANSIX	D00 2017 042750	9/6/2017			Pending	Indonesia
ADVANSIX	2017067027	9/6/2017	2017067027	3/6/2017	Registered/Granted	Malaysia
ADVANSIX	2017067032	9/6/2017	2017067032	3/6/2017	Registered/Granted	Malaysia
ADVANSIX	719426	9/6/2017	00018713	11/24/2017	Registered/Granted	Peru
ADVANSIX	2017/26001	9/6/2017	2017/26002	5/13/2019	Registered/Granted	South Africa
ADVANSIX	170131448	9/6/2017	211102625	9/6/2017	Registered/Granted	Thailand
ADVANSIX	15109-17	9/6/2017	371385	8/10/2018	Registered/Granted	Venezuela
ADVANSIX	1856173	9/6/2017	TMA1082322	9/29/2020	Registered/Granted	Canada

ADVANSIX	913350842	9/6/2017	913350842	12/4/2018	Registered/Granted	Brazil
ADVANSIX	106056396	9/6/2017	1915862	5/16/2018	Registered/Granted	Taiwan
ADVANSIX	3 639 893	9/6/2017	2 991 872	7/4/2019	Registered/Granted	Argentina
ADVANSIX	2017/26002	9/6/2017	2017/26002	5/13/2019	Registered/Granted	South Africa
ADVANSIX	15110-17	9/6/2017	371386	8/10/2018	Registered/Granted	Venezuela
ADVANSIX	15111-17	9/6/2017	371387	8/10/2018	Registered/Granted	Venezuela
ADVANSIX	913351164	9/6/2017	913351164	12/4/2018	Registered/Granted	Brazil
ADVANSIX	26254196	9/6/2017	26254196	8/28/2018	Registered/Granted	China
ADVANSIX	1371431	9/5/2017	1371431	9/5/2017	Registered/Granted	Madrid Protocol (TM)
ADVANSIX	1881287	9/5/2017	1881287	5/11/2018	Registered/Granted	Australia
ADVANSIX	1371431	9/5/2017	1371431	6/1/2018	Registered/Granted	Colombia
ADVANSIX	1371431	9/5/2017	1371431	3/21/2018	Registered/Granted	European Union IPO
ADVANSIX		9/5/2017	3663787	7/30/2019	Registered/Granted	India
ADVANSIX	1371431	9/5/2017	1371431	5/24/2018	Registered/Granted	Japan
ADVANSIX	1371431	9/5/2017	1371431	4/11/2019	Registered/Granted	Republic of Korea
ADVANSIX	1371431	9/5/2017	1371431	10/19/2017	Registered/Granted	Morocco
ADVANSIX	1962596	9/5/2017	1903072	7/20/2018	Registered/Granted	Mexico
ADVANSIX	1371431	9/5/2017	1371431	5/21/2018	Registered/Granted	Russian Federation
ADVANSIX	1371431	9/5/2017	1371431	9/26/2018	Registered/Granted	Ukraine
ADVANSIX	1371431	9/5/2017	1371431	9/12/2018	Registered/Granted	Vietnam
ADVANSIX	1371431	9/5/2017	1903073	7/20/2018	Registered/Granted	Mexico
ADVANSIX	1371431	9/5/2017	UK00801371431	3/21/2018	Registered/Granted	United Kingdom
ADVANSIX (Back Up)	31579552	6/13/2018	31579552	9/28/2020	Registered/Granted	China
ADVANSIX (Divisional)	26254195A	9/6/2017	26254195A	10/7/2018	Registered/Granted	China
ADVANSIX and design	1331558	7/6/2016	1331558	7/6/2016	Registered/Granted	Madrid Protocol (TM)
ADVANSIX and design	1331558	7/6/2016			Pending	Australia
ADVANSIX and design	1331558	7/6/2016	G1331558	12/1/2020	Registered/Granted	China

ADVANSIX and design	3529795	7/6/2016	3529795	5/2/2018	Registered/Granted	India
ADVANSIX and design	1331558	7/6/2016	1331558	8/10/2018	Registered/Granted	Japan
ADVANSIX and design	1331558	7/6/2016	1331558	4/1/2019	Registered/Granted	Republic of Korea
ADVANSIX and design	3522649	7/15/2016	2889497	5/26/2017	Registered/Granted	Argentina
ADVANSIX and design	105039592	7/7/2016	01830535	3/16/2017	Registered/Granted	Taiwan
ADVANSIX and design	2016062548	7/12/2016	2016062548	7/6/2017	Registered/Granted	Malaysia
ADVANSIX and design	668356	7/7/2016	243265	11/2/2016	Registered/Granted	Peru
ADVANSIX and design	160103173	8/22/2016	181113820	5/28/2018	Registered/Granted	Thailand
ADVANSIX and design	4-2016-13253	5/11/2016	296949	3/19/2018	Registered/Granted	Vietnam
ADVANSIX and design	87/030,966	5/10/2016	5,551,276	8/28/2018	Registered/Granted	United States of America
ADVANSIX and Design	1745807	5/11/2016	1838908	12/20/2017	Registered/Granted	Mexico
ADVANSIX and Design	D002016024516	5/23/2016	IDM000687110	4/3/2020	Registered/Granted	Indonesia
ADVANSIX and design	303771054	5/11/2016	303771054	5/11/2016	Registered/Granted	Hong Kong
ADVANSIX and design	015417363	5/10/2016	015417363	9/13/2016	Registered/Granted	European Union IPO
ADVANSIX and design	1781614	5/10/2016	TMA1020035	4/25/2019	Registered/Granted	Canada
ADVANSIX and design	911026738	5/12/2016	911026738	8/7/2018	Registered/Granted	Brazil
ADVANSIX and design	015417363	5/10/2016	UK00915417363	9/13/2016	Registered/Granted	United Kingdom
ADVANSIX CARING	87/333,097	2/13/2017	6,185,440	10/27/2020	Registered/Granted	United States of America
ADVANSIX CARING	1856174	9/6/2017	1082327	9/29/2020	Registered/Granted	Canada

ADVANSIX CARING	913351288	9/6/2017	913351288	12/4/2018	Registered/Granted	Brazil
ADVANSIX CARING	913351881	9/6/2017	913351881	12/4/2018	Registered/Granted	Brazil
ADVANSIX CARING	26587110	9/25/2017	26587110	9/21/2018	Registered/Granted	China
ADVANSIX CARING	1369437	9/5/2017	1369437	9/5/2017	Registered/Granted	Madrid Protocol (TM)
ADVANSIX CARING	1879455	9/5/2017	1879455	5/11/2018	Registered/Granted	Australia
ADVANSIX CARING	1369437	9/5/2017	1369437	6/1/2018	Registered/Granted	Colombia
ADVANSIX CARING	1369437	9/5/2017	1369437	10/12/2017	Registered/Granted	Egypt
ADVANSIX CARING	1369437	9/5/2017	1369437	3/14/2018	Registered/Granted	European Union IPO
ADVANSIX CARING	1369437	9/5/2017	3660343	9/7/2019	Registered/Granted	India
ADVANSIX CARING	1369437	9/5/2017	1369437	10/11/2018	Registered/Granted	Japan
ADVANSIX CARING	1369437	9/5/2017	1369437	4/26/2019	Registered/Granted	Republic of Korea
ADVANSIX CARING	1369437	9/5/2017	369437	10/12/2017	Registered/Granted	Morocco
ADVANSIX CARING	1959208	9/5/2017	1901036	7/13/2018	Registered/Granted	Mexico
ADVANSIX CARING	1369437	9/5/2017	1369437	5/29/2018	Registered/Granted	Russian Federation
ADVANSIX CARING	1369437	9/5/2017	1369437	9/24/2018	Registered/Granted	Ukraine
ADVANSIX CARING	1369437	9/5/2017	369437	10/12/2017	Registered/Granted	Vietnam
ADVANSIX CARING	1959209	9/5/2017	1901037	7/13/2018	Registered/Granted	Mexico
ADVANSIX CARING	1369437	9/5/2017	UK0080136943 7	3/14/2018	Registered/Granted	United Kingdom
ADVANSIX CARING	26587102	9/25/2017	26587102	9/21/2018	Registered/Granted	China

ADVANSIX TECHNOLOGIES	4-2016-13254	5/11/2016	296950	3/19/2018	Registered/Granted	Vietnam
ADVANSIX TECHNOLOGIES	1745806	5/11/2016	1751273	5/8/2017	Registered/Granted	Mexico
ADVANSIX TECHNOLOGIES	D002016028394	6/13/2016	IDM000651402	8/14/2019	Registered/Granted	Indonesia
ADVANSIX TECHNOLOGIES	303771063	5/11/2016	303771063	5/11/2016	Registered/Granted	Hong Kong
ADVANSIX TECHNOLOGIES	015417355	5/10/2016	015417355	9/13/2016	Registered/Granted	European Union IPO
ADVANSIX TECHNOLOGIES	911026665	5/12/2016	911026665	8/7/2018	Registered/Granted	Brazil
ADVANSIX TECHNOLOGIES	015417355	5/10/2016	UK00915417355	9/13/2016	Registered/Granted	United Kingdom
ADVANSIX TECHNOLOGIES	78/542,967	1/6/2005	3,050,249	1/24/2006	Registered/Granted	United States of America
AEGIS	40-2010-0028177	5/28/2010	40-0877218	8/22/2011	Registered/Granted	Republic of Korea
AEGIS	1496001	6/12/2014	1496019	11/14/2014	Registered/Granted	Mexico
AEGIS	009162389	6/9/2010	009162389	11/25/2010	Registered/Granted	European Union IPO
AEGIS	8358349	6/3/2010	8358349	6/14/2011	Registered/Granted	China
AEGIS	910440	6/22/2010	341,802	10/28/2010	Registered/Granted	Chile
AEGIS	1680777	6/11/2014	TMA977033	7/27/2017	Registered/Granted	Canada
AEGIS	830638172	6/10/2010	830638172	4/30/2013	Registered/Granted	Brazil
AEGIS	3,008,243	6/8/2010	2439815	5/10/2011	Registered/Granted	Argentina
AEGIS	009162389	6/9/2010	UK00909162389	11/25/2010	Registered/Granted	United Kingdom
AEGIS "Back-Up"	34803845	11/21/2018	34803845	11/28/2019	Registered/Granted	China
AEGIS "Back-Up"	39445960	7/5/2019	39445960	2/21/2021	Registered/Granted	China
AEGIS BARRIERPRO2	85/833,526	1/28/2013	4,685,252	2/10/2015	Registered/Granted	United States of America
AEGIS BARRIERPRO2	4020140039289	6/12/2014	40-1100506	4/16/2015	Registered/Granted	Republic of Korea
AEGIS BARRIERPRO2	12955671	6/10/2014	12955671	10/31/2014	Registered/Granted	European Union IPO

AEGIS BARRIERPRO2	14605063	6/13/2014	14605063	7/28/2015	Registered/Granted	China
AEGIS BARRIERPRO2	1112035	6/20/2014	1.158.081	3/3/2015	Registered/Granted	Chile
AEGIS BARRIERPRO2	3333623	6/16/2014	2730367	5/22/2015	Registered/Granted	Argentina
AEGIS BARRIERPRO2	12955671	6/10/2014	UK0091295567 1	10/31/2014	Registered/Granted	United Kingdom
CAPRAN	72/122.244	6/19/1961	0.730.229	4/24/1962	Registered/Granted	United States of America
CAPRAN	932016	10/7/1968	932016	10/7/1968	Registered/Granted	United Kingdom
CAPRAN	58255/2010	8/6/2010	605939	9/28/2010	Registered/Granted	Switzerland
CAPRAN	140267	1/6/1982	140267	1/6/1982	Registered/Granted	New Zealand
CAPRAN	3620170001253 69	8/13/2008	815113	5/30/2000	Registered/Granted	Italy
CAPRAN	900014	1/15/1998	1445169	1/15/1998	Registered/Granted	France
CAPRAN	0355052	11/8/1968	TMA177990	8/27/1971	Registered/Granted	Canada
CAPRAN	3.270.157	2/3/1970	2.642.340	4/30/1993	Registered/Granted	Argentina
CAPRAN	944810	11/5/2007	944810	11/5/2007	Registered/Granted	Madrid Protocol (TM)
CAPRAN	944810	11/5/2007	944810	10/24/2008	Registered/Granted	European Union IPO
CAPRAN	944810	11/5/2007	UK0080094481 0	10/27/2008	Registered/Granted	United Kingdom
CAPRAN PROSHIELD	53708/2011	3/28/2011	618445	8/18/2011	Registered/Granted	Switzerland
CAPRAN PROSHIELD	451018	3/29/2011	178467	8/12/2011	Registered/Granted	Peru
CAPRAN PROSHIELD	2011-001630	5/24/2011	2013099011	9/19/2013	Registered/Granted	Nicaragua
CAPRAN PROSHIELD	M-002778-2011	4/1/2011	178405	10/4/2011	Registered/Granted	Guatemala
CAPRAN PROSHIELD	2011-1856-RE	3/29/2011	6997-11	10/12/2011	Registered/Granted	Ecuador
CAPRAN PROSHIELD	9844838	3/28/2011	9844838	9/2/2011	Registered/Granted	European Union IPO
CAPRAN PROSHIELD	830997377	4/4/2011	830997377	7/22/2014	Registered/Granted	Brazil

CAPRAN PROSHIELD	9844838	3/28/2011	UK00909844838	9/2/2011	Registered/Granted	United Kingdom
CAPRAN PROSHIELD	9844838	3/28/2011	UK00909844838	9/2/2011	Registered/Granted	United Kingdom
ELASTOMAX	011669678	3/19/2013	011669678	12/28/2014	Registered/Granted	European Union IPO
ELASTOMAX	011669678	3/19/2013	UK00911669678	12/28/2014	Registered/Granted	United Kingdom
EZ-BLOX	2015-071756	7/27/2015	5826820	2/12/2016	Registered/Granted	Japan
EZ-BLOX	014402424	7/24/2015	014402424	12/1/2015	Registered/Granted	European Union IPO
EZ-BLOX	909744556	7/28/2015	909744556	8/7/2018	Registered/Granted	Brazil
EZ-BLOX	014402424	7/24/2015	UK00914402424	12/1/2015	Registered/Granted	United Kingdom
EZ-BLOX	86/703.512	6/24/2015	5.423.808	3/13/2018	Registered/Granted	United States of America
EZ-BLOX	3903786	6/12/2020			Pending	Argentina
EZ-BLOX	172646	6/14/2020			Pending	Jordan
EZ-BLOX	1541767	6/11/2020	1541767	6/11/2020	Registered/Granted	Madrid Protocol (TM)
EZ-BLOX	2105682	6/11/2020	1541767	1/19/2021	Registered/Granted	Australia
EZ-BLOX	2041486	6/11/2020			Pending	Canada
EZ-BLOX	1541767	6/11/2020	1541767	11/12/2020	Registered/Granted	China
EZ-BLOX	1541767	6/11/2020	1541767		Registered/Granted	United Kingdom
EZ-BLOX	1541767	6/11/2020	1541767	6/11/2021	Registered/Granted	Indonesia
EZ-BLOX	1541767	6/11/2020	329873	5/18/2021	Registered/Granted	Israel
EZ-BLOX	1541767	6/11/2020			Pending	Republic of Korea
EZ-BLOX	1541767	6/11/2020			Pending	Mexico
EZ-BLOX	1541767	6/11/2020			Pending	Malaysia
EZ-BLOX	1154265	6/11/2020	1154265	3/19/2021	Registered/Granted	New Zealand
EZ-BLOX	1541767	6/11/2020			Pending	Oman
EZ-BLOX	1541767	6/11/2020	1541767	11/13/2020	Registered/Granted	Philippines
EZ-BLOX	1541767	6/11/2020			Pending	Thailand
EZ-BLOX	1541767	6/11/2020	1541767	12/29/2020	Registered/Granted	Turkey
EZ-BLOX	1541767	6/11/2020	1541767	7/9/2021	Registered/Granted	Vietnam

EZ-BLOX	339656	11/18/2020	339656	2/16/2021	Registered/Granted	United Arab Emirates
EZ-BLOX	109038721	6/11/2020	02113890	1/16/2021	Registered/Granted	Taiwan
EZ-BLOX	1359379	6/11/2020	1333606	11/20/2020	Registered/Granted	Chile
EZ-BLOX	859169	8/28/2020	298811	10/23/2020	Registered/Granted	Peru
EZ-BLOX	271486	1/19/2021	1442017640	4/28/2021	Registered/Granted	Saudi Arabia
NADONE	72/016,928	1/28/1998	657602	1/28/1998	Registered/Granted	United States of America
NADONE	109083915	11/26/2020	02152919	7/16/2021	Registered/Granted	Taiwan
NADONE	1567665	11/25/2020	1567665	11/25/2020	Registered/Granted	Madrid Protocol (TM)
NADONE	2147005	11/25/2020	2147005	7/5/2021	Registered/Granted	Australia
NADONE	501567665	11/25/2020			Pending	Brazil
NADONE	1567665	11/25/2020			Pending	Canada
NADONE		11/25/2020	1567665	9/30/2021	Registered/Granted	Switzerland
NADONE					Pending	Germany
NADONE	1567665	11/25/2020	1567665	5/21/2021	Registered/Granted	European Union IPO
NADONE		11/25/2020	W00000001567665	5/16/2021	Registered/Granted	United Kingdom
NADONE	1567665	11/25/2020			Pending	Japan
NADONE		11/25/2020			Pending	Republic of Korea
NADONE	1567665	11/25/2020			Pending	Mexico
NADONE	1567665	11/25/2020			Pending	Russian Federation
NADONE	1567665	11/25/2020	1567665	4/8/2021	Registered/Granted	China
NADONE	1567665	11/25/2020	40202100447Y	6/17/2021	Registered/Granted	Singapore
NADONE	1567665	11/25/2020	335021	8/2/2021	Registered/Granted	Israel
NADONE DR	88/918,399	5/15/2020			Application allowed	United States of America
NADONE DR	109083917	11/26/2020	02152920	7/16/2021	Registered/Granted	Taiwan
NADONE DR	2068565	12/4/2020			Pending	Canada
NADONE DR	2140970	12/4/2020			Pending	Australia
NADONE DR	921584636	12/11/2020	921584636	10/13/2021	Registered/Granted	Brazil
NADONE DR	1386126	12/4/2020	1344448	5/10/2021	Registered/Granted	Chile

NADONE DR	018349020	12/4/2020	018349020	4/30/2021	Registered/Granted	European Union IPO
NADONE DR	334156	12/7/2020	334156	7/4/2021	Registered/Granted	Israel
NADONE DR	40-2020-0221918	12/7/2020			Pending	Republic of Korea
NADONE DR	2465958	12/8/2020	2465958	2/25/2021	Registered/Granted	Mexico
NADONE DR	2020769617	12/7/2020			Pending	Russian Federation
NADONE DR	40202026136U	12/11/2020	40202026136U	12/11/2020	Registered/Granted	Singapore
NADONE DR	17451/2020	12/7/2020	762226	4/13/2021	Registered/Granted	Switzerland
NADONE DR	200145607	12/14/2020			Pending	Thailand
NADONE DR	UK00003564821	12/7/2020	00003564821	4/16/2021	Registered/Granted	United Kingdom
NADONE DR	4-2020-51236	12/7/2020			Pending	Vietnam
NADONE DR	51988334	12/8/2020			Pending	China
NADONE DR	4775267	12/10/2020	4775267	5/26/2021	Registered/Granted	India
NADONE DR	2020-150901	12/7/2020			Pending	Japan
NADONE DR	429875	12/15/2020			Pending	Egypt
NADONE DR	TM2020029420	12/8/2020			Pending	Malaysia
NADONE DR	875527	12/10/2020	304166	2/11/2021	Registered/Granted	Peru
NADONE DR	42020519879	12/10/2020	42020519879	3/12/2021	Registered/Granted	Philippines
NADONE DR	270105	1/10/2021	1442016591	4/13/2021	Registered/Granted	Saudi Arabia
NADONE DR	340669	12/8/2020	340669	3/28/2021	Registered/Granted	United Arab Emirates
NADONE DR	2020/34653	12/9/2020			Pending	South Africa
NADONE DR	2020/154368	12/8/2020	2020/154368	8/4/2021	Registered/Granted	Turkey
NADONE HDR	88/918,408	5/15/2020	6,472,154	8/31/2021	Registered/Granted	United States of America
NADONE HDR	109083918	11/26/2020	02152921	7/16/2021	Registered/Granted	Taiwan
NADONE HDR	2068569	12/4/2020			Pending	Canada
NADONE HDR	2140971	12/4/2020			Pending	Australia
NADONE HDR	921584644	12/11/2020	921584644	10/13/2021	Registered/Granted	Brazil
NADONE HDR	1386128	12/4/2020	1344449	5/10/2021	Registered/Granted	Chile
NADONE HDR	51985184	12/8/2020			Pending	China
NADONE HDR	018349028	12/4/2020	018349028	4/30/2021	Registered/Granted	European Union IPO

NADONE HDR	4775268	12/10/2020	4775268	5/26/2021	Registered/Granted	India
NADONE HDR	334157	12/7/2020	334157	7/4/2021	Registered/Granted	Israel
NADONE HDR	2020-150902	12/7/2020			Pending	Japan
NADONE HDR	40-2020-0221922	12/7/2020			Pending	Republic of Korea
NADONE HDR	2465959	12/8/2020	2465959	2/25/2021	Registered/Granted	Mexico
NADONE HDR	2020769618	12/7/2020			Pending	Russian Federation
NADONE HDR	40202026139X	12/11/2020	40202026139X	12/11/2020	Registered/Granted	Singapore
NADONE HDR	1745222020	12/7/2020	761980	4/8/2021	Registered/Granted	Switzerland
NADONE HDR	200145608	12/14/2020			Pending	Thailand
NADONE HDR	UK00003564827	12/7/2020	00003564827	4/16/2021	Registered/Granted	United Kingdom
NADONE HDR	4-2020-51237	12/7/2020			Pending	Vietnam
NADONE UHDR	88/918,414	5/15/2020	6,472,155	8/31/2021	Registered/Granted	United States of America
NAXOL	72/037,537	9/20/1957	0,665,249	8/5/1958	Registered/Granted	United States of America
OXYSHIELD	1635-05	2/1/2005	P265977	11/11/2005	Registered/Granted	Venezuela
OXYSHIELD	74/505,679	3/25/1994	1,980,405	6/18/1996	Registered/Granted	United States of America
OXYSHIELD	2134708	6/2/1997	2134708	7/3/1998	Registered/Granted	United Kingdom
OXYSHIELD	2008/10821	2/27/2008	2008/10821	3/10/2009	Registered/Granted	Turkey
OXYSHIELD	336637	6/18/1997	TM71127	6/18/1997	Registered/Granted	Thailand
OXYSHIELD	4247/1997	5/29/1997	448577	5/29/1997	Registered/Granted	Switzerland
OXYSHIELD	2095948	6/2/1997	2095948	6/2/1997	Registered/Granted	Spain
OXYSHIELD	97-24594	5/29/1997	40-0425832	10/21/1998	Registered/Granted	Republic of Korea
OXYSHIELD	97/8038	5/29/1997	1997/08038	8/9/2000	Registered/Granted	South Africa
OXYSHIELD	S/13960/97	11/13/1997	T97/13960G	11/13/1997	Registered/Granted	Singapore
OXYSHIELD	2008705211	2/26/2008	375987	4/1/2009	Registered/Granted	Russian Federation
OXYSHIELD	228015	12/10/2004	105148	4/29/2005	Registered/Granted	Peru
OXYSHIELD	276662	5/14/1997	276662	5/14/1997	Registered/Granted	New Zealand
OXYSHIELD	299074	6/23/1997	554101	6/23/1997	Registered/Granted	Mexico
OXYSHIELD	98/02322	2/27/1998	98002322	6/19/2001	Registered/Granted	Malaysia

OXYSHIELD	125823/1977	6/10/1997	4215836	11/27/1998	Registered/Granted	Japan
OXYSHIELD	7097C001512	6/4/1997	1275265	2/1/2000	Registered/Granted	Italy
OXYSHIELD	D97111362	2/11/1998	IDM000179650	9/20/1999	Registered/Granted	Indonesia
OXYSHIELD	39725500	6/5/1997	39725499	8/20/1997	Registered/Granted	Germany
OXYSHIELD	97/680451	6/2/1997	97/680451	6/2/1997	Registered/Granted	France
OXYSHIELD	972204	5/30/1997	209949	5/15/1998	Registered/Granted	Finland
OXYSHIELD	151911	12/15/2004	1869-05	5/10/2005	Registered/Granted	Ecuador
OXYSHIELD	4124148	12/10/2004	301654	7/14/2005	Registered/Granted	Colombia
OXYSHIELD	4408513	12/10/2005	4408513	4/21/2008	Registered/Granted	China
OXYSHIELD	379338	6/6/1997	822.799	2/9/1998	Registered/Granted	Chile
OXYSHIELD	1240420	12/13/2004	TMA654000	11/30/2005	Registered/Granted	Canada
OXYSHIELD	820094757	6/18/1997	820094757	9/21/1999	Registered/Granted	Brazil
OXYSHIELD	732273	4/16/1997	732273	4/16/1997	Registered/Granted	Australia
OXYSHIELD	3832482	6/19/1997	3131432	9/2/2009	Registered/Granted	Argentina
OXYSHIELD	970442	6/30/2008	970442	6/30/2008	Registered/Granted	Madrid Protocol (TM)
OXYSHIELD	970442	6/30/2008	970442	7/20/2009	Registered/Granted	European Union IPO
OXYSHIELD	970442	6/30/2008	970442	12/30/2009	Registered/Granted	Ukraine
OXYSHIELD	970442	6/30/2008	UK0080097044 ²	7/21/2009	Registered/Granted	United Kingdom
ROSI	86/157.534	1/4/2014	4.598.990	9/2/2014	Registered/Granted	United States of America
ROSI	1675859	5/6/2014	TMA915.458	9/29/2015	Registered/Granted	Canada
SULF-N	76/356.885	1/10/2002	2.674.588	1/14/2003	Registered/Granted	United States of America
SULF-N	308702	3/14/2007	127996	6/7/2007	Registered/Granted	Peru
SULF-N	650657	1/3/2002	650657	7/2/2002	Registered/Granted	New Zealand
SULF-N	926523	4/14/2008	1040477	4/14/2008	Registered/Granted	Mexico
SULF-N	E-65664-2007	3/20/2007	242 Book 93	10/15/2007	Registered/Granted	El Salvador
SULF-N	2007-20765	3/21/2007	161241	6/14/2007	Registered/Granted	Dominican Republic
SULF-N	1127626	1/9/2002	TMA591431	10/3/2003	Registered/Granted	Canada
SULF-N	829010793	3/15/2007	829010793	10/13/2009	Registered/Granted	Brazil
SULF-N	899238	12/27/2001	899238	8/19/2002	Registered/Granted	Australia
SULF-N	3.678.033	3/15/2007	2980611	3/7/2008	Registered/Granted	Argentina

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12/12/2020

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5/7/2021

Registered/Granted

Guatemala

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None.