

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM401968

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
AdvanSix Inc.		09/30/2016	Corporation: DELAWARE
AdvanSix Resins & Chemicals LLC		09/30/2016	Limited Liability Company: DELAWARE
RECEIVING PARTY DATA			
Name:	Bank of America, N.A., as Administrative Agent		
Street Address:	900 W. Trade Street, NC1-026-06-01		
City:	Charlotte		
State/Country:	NORTH CAROLINA		
Postal Code:	28255		
Entity Type:	National Banking Association: UNITED STATES		
PROPERTY NUMBERS Total: 13			
Property Type	Number	Word Mark	
Registration Number:	3050249	AEGIS	
Registration Number:	4685252	AEGIS BARRIERPRO2	
Registration Number:	0730229	CAPRAN	
Registration Number:	0657602	NADONE	
Registration Number:	0665249	NAXOL	
Registration Number:	1980405	OXYSHIELD	
Registration Number:	4598990	ROSI	
Registration Number:	4358135	STRETCH-VAC	
Registration Number:	2674588	SULF-N	
Serial Number:	87030966	ADVANSIX	
Serial Number:	87030956	ADVANSIX TECHNOLOGIES	
Serial Number:	86384211	CAPRAN PROSHIELD	
Serial Number:	86703512	EZ-BLOX	
CORRESPONDENCE DATA			
Fax Number:	7043738822		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			

OP \$340.00 3050249

Phone: (704) 373-4640
Email: bsmith@mcguirewoods.com
Correspondent Name: Betty G. Smith, Senior Paralegal
Address Line 1: McGuireWoods LLP, 201 N. Tryon Street
Address Line 2: Suite 3000
Address Line 4: Charlotte, NORTH CAROLINA 28202

ATTORNEY DOCKET NUMBER: 2068279-2027

NAME OF SUBMITTER: Betty G. Smith

SIGNATURE: /Betty G. Smith/

DATE SIGNED: 10/14/2016

Total Attachments: 34

source=Intellectual Property Security Agreement - AdvanSix Inc#page1.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page2.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page3.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page4.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page5.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page6.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page7.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page8.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page9.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page10.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page11.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page12.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page13.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page14.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page15.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page16.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page17.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page18.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page19.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page20.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page21.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page22.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page23.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page24.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page25.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page26.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page27.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page28.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page29.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page30.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page31.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page32.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page33.tif
source=Intellectual Property Security Agreement - AdvanSix Inc#page34.tif

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 September 30, 2016, is made by the Persons listed on the signature pages hereof (collectively, the “*Grantors*”) and Bank of America, N.A. (“*Bank of America*”), 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 September 30, 2016 (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, Bank of America, N.A., 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 September 30, 2016 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-touse 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.

[Remainder of Page Intentionally Left Blank]

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

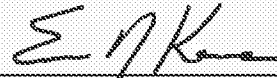


Name: Erin N. Kane

Title: Chief Executive Officer

ADVANSIX RESINS & CHEMICALS LLC

by



Name: Erin N. Kane

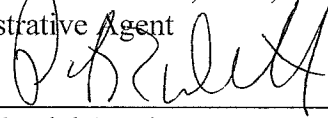
Title: Manager

[Signature Page – Intellectual Property Security Agreement]

TRADEMARK

REEL: 005899 FRAME: 0580

BANK OF AMERICA, N.A., as
Administrative Agent

By: 

Name: Patrick Devitt

Title: Vice President

Patents

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number	
LIGHT STABILIZED POLYAMIDE SUBSTRATE AND PROCESS FOR MAKING	France	Granted	EP0843696	96925540.5	07/26/1996	04/21/1999		
	United Kingdom	Granted	EP0843696	96925540.5	07/26/1996	04/21/1999		
	Germany	Granted	69602199.4	EP0843696	07/26/1996	04/21/1999		
	Italy	Granted	EP0843696	96925540.5	07/26/1996	04/21/1999		
	Netherlands	Granted	EP0843696	96925540.5	07/26/1996	04/21/1999		
	Spain	Granted	EP0843696	96925540.5	07/26/1996	04/21/1999		
	United States	Granted	5618909	08/508194	07/27/1995	04/08/1997		
	United States	Granted	6495660	09/864034	05/23/2001	12/17/2002		
	IMPROVED POLYAMIDE SUBSTRATE	United States	Granted	6495660	09/864034	05/23/2001	12/17/2002	
		PRILLING METHOD	European Patent Convention	Filed		06120372.5	09/08/2006	
European Patent Convention			Filed		10175980.1	09/09/2010		2260935
Australia			Granted	2006220429	2006220429	09/21/2006	08/09/2012	
Belarus			Granted	16931	a20060895	09/12/2006	05/21/2013	
Canada			Granted	2558902	2558902	09/07/2006	03/18/2014	
China P.R.			Granted	ZL20061014	20061014648	09/26/2006	04/10/2013	CN
Egypt			Granted	6488.4	8.4			101152622
Egypt			Granted	24350	56622006	10/30/2006	02/22/2009	
Mexico			Granted	298831	PA/a/2006/010999	09/26/2006	05/04/2012	
Mexico	Granted		307480	MX/a/2012/00306	01/04/2012	02/20/2013		
Russian Federation	Granted	2416593	2006132816	09/13/2006	04/20/2011			
Saudi Arabia	Granted	2297	06270454	12/09/2006	11/10/2009			
Tunisia	Granted	19564	SN06.307	09/27/2006	02/05/2008			
Ukraine	Granted	91334	a200609758	09/11/2006	07/26/2010			

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
AMMONIUM SULFATE SUSPENSIONS IN OILS	United States	Granted	7175684	09/468668	12/21/1999	02/13/2007	
	Uzbekistan	Granted	IAP04525	IAP20060344	09/19/2006	07/31/2012	
OXYGEN SCAVENGING-HIGH BARRIER POLYAMIDE COMPOSITIONS FOR PACKAGING APPLICATIONS	United States	Granted	6423667	09/855481	05/15/2001	07/23/2002	
	Australia	Granted	2001259431	2001259431	05/02/2001	10/28/2004	
	Brazil	Granted	PI0110563-9	PI0110563-9	05/02/2001	06/26/2012	
	China P.R.	Granted	ZL01812222.1	01812222.1	05/02/2001	08/16/2006	1447750
FLAME-RETARDANT POLYAMIDE FIBER	Czech Republic	Granted	297124	PV2002-3621	05/02/2001	08/02/2006	
	Mexico	Granted	237104	PA/A/2002/10785	05/02/2001	05/23/2006	
	United States	Granted	6423776	09/562249	05/02/2000	07/23/2002	
FLAME-RETARDANT POLYAMIDE CARPETS	United States	Granted	6685861	09/971272	01/04/2002	02/03/2004	
	United States	Granted	5626938	08/441861	05/16/1995	05/06/1997	
FLAME-RETARDANT POLYAMIDE CARPETS	United States	Granted	5618605	08/441865	05/16/1995	04/08/1997	
	United States	Granted	6149850	08/166168	12/10/1993	11/21/2000	
PROCESS OF MAKING MULTICOMPONENT FIBERS	United States	Granted	5632944	08/561507	11/20/1995	05/27/1997	
	United States	Granted	5641570	08/561501	11/20/1995	06/24/1997	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
BENEFICIATED SLUDGE	United States	Granted	6733558	09/855480	05/15/2001	05/11/2004	
AMMONIUM SULFATE NITRATE	Belarus	Granted	12423	20030595	11/14/2001	07/16/2009	
	Belgium	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	European Patent Convention	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	Finland	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	France	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	United Kingdom	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	Germany	Granted	60109057.8	01996519.3	11/14/2001	02/23/2005	EP1343739
	Greece	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	Japan	Granted	4027230	2002-542758	11/14/2001	10/19/2007	
	Lithuania	Granted	5121	2003-053	11/14/2001	03/25/2004	
ULTRA HIGH OXYGEN BARRIER FILMS AND ARTICLES MADE THEREFROM	Netherlands	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	Portugal	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	Russian Federation	Granted	2279416	2003117467	11/14/2001	07/10/2006	
	Spain	Granted	EP1343739	01996519.3	11/14/2001	02/23/2005	
	Turkey	Granted	TR 2005 01854	01996519.3	11/14/2001	02/23/2005	
	United States	Granted	6689181	09/970466	10/04/2001	02/10/2004	
	Australia	Granted	2002255671	2002255671	03/08/2002	09/07/2006	
	China P.R.	Granted	ZL02809400.X	02809400.X	03/08/2002	07/25/2007	1507389
	Taiwan	Granted	NI-203804	91104393	03/08/2002	10/07/2004	592961
	United States	Granted	6479160	09/803703	03/09/2001	11/12/2002	
OXYGEN SCAVENGING POLYAMIDE COMPOSITIONS SUITABLE FOR PET BOTTLE	Australia	Granted	2002244061	2002244061	02/19/2002	12/23/2004	
	Austria	Granted	EP1366119	02709583.5	02/19/2002	07/25/2007	
	Belgium	Granted	EP1366119	02709583.5	02/19/2002	07/25/2007	
	France	Granted	EP1366119	02709583.5	02/19/2002	07/25/2007	
	Germany	Granted	60221361.4	EP1366119	02/19/2002	07/25/2007	
	Switzerland	Granted	EP1366119	02709583.5	02/19/2002	07/25/2007	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number	
APPLICATIONS	United States	Granted	6410156	09/800218	03/06/2001	06/25/2002		
	United States	Granted	6756444	10/075006	02/14/2002	06/29/2004		
	United States	Granted	6610234	10/075005	02/14/2002	08/26/2003		
	United States	Granted	7022844	10/251335	09/21/2002	04/04/2006	US-2004-0059108-A1	
	United States	Granted	7482446	11/311604	12/19/2005	01/27/2009	US 2006-0094873 A1	
	AMIDE-BASED COMPOUNDS, PRODUCTION, RECOVERY, PURIFICATION AND USES THEREOF							
		Canada	Granted	2546351	2546351	11/15/2004	05/08/2012	
		China P.R.	Granted	ZL200480040596.2	200480040596.2	11/15/2004	09/28/2011	1922254
		France	Granted	EP1694761	04801074.8	11/15/2004	07/09/2014	1694761
		France	Granted	EP2253662	10174175.9	08/20/2010	06/03/2015	2253662
United Kingdom		Granted	EP2253662	10174175.9	08/20/2010	06/03/2015	2253662	
United Kingdom		Granted	EP1694761	04801074.8	11/15/2004	07/09/2014	1694761	
Germany		Granted	6020040454419	EP1694761	11/15/2004	07/09/2014	1694761	
Germany		Granted	602004047320.0	EP2253662	08/20/2010	06/03/2015	2253662	
India		Granted	256759	2862/DELNP/2006	11/15/2004	07/25/2013		
PRE-FIBER GEL MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	Italy	Granted	EP2253662	10174175.9	08/20/2010	06/03/2015	2253662	
	Italy	Granted	EP1694761	502014902294270	11/15/2004	07/09/2014	1694761	
	Korea South	Granted	10-1123824	2006-7012190	11/15/2004	02/28/2012		
	Taiwan	Granted	1372160	093135248	11/17/2004	09/11/2012	1372160	
	United States	Granted	8106116	12/851363	08/05/2010	01/31/2012	US-2010-0324180-A1	
	United States	Granted	7790789	10/716584	11/18/2003	09/07/2010	US-2005-	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	Canada	Granted	2546346	2546346	11/15/2004	07/10/2012	0119376-A1
	China P.R.	Granted	20048004059 8.1	20048004059 8.1	11/15/2004	04/20/2011	1906242
	China P.R.	Granted	ZL201111004 1787.2	201111004178 7.2	02/18/2011	03/13/2013	CN 102174256
	France	Granted	EP2253661	10174174.2	08/20/2010	07/31/2013	2253661
	France	Granted	EP1699861	04801073.0	11/15/2004	07/09/2014	1699861
	United Kingdom	Granted	EP1699861	04801073.0	11/15/2004	07/09/2014	1699861
	United Kingdom	Granted	EP2253661	10174174.2	08/20/2010	07/31/2013	2253661
	Germany	Granted	60200404294 7.3	EP2253661	08/20/2010	07/31/2013	2253661
	Germany	Granted	EP1699861	04801073.0	11/15/2004	07/09/2014	1699861
	India	Granted	254178	2852/DELNP /2006	11/15/2004	09/27/2012	
	Italy	Granted	EP2253661	50201390219 9376	08/20/2010	07/31/2013	2253661
	Italy	Granted	EP1699861	50201490229 5004	11/15/2004	07/09/2014	1699861
	Korea South	Granted	10-1265536	2006- 7012189	11/15/2004	05/13/2013	
	Taiwan	Granted	1379867	093135249	11/17/2004	12/21/2012	1379867
	United States	Granted	7258920	10/717048	11/18/2003	08/21/2007	US-2005- 0119447-A1
COMPOSITE MATERIAL PRECURSORS AND COMPOSITE MATERIALS, METHODS OF MANUFACTURE AND USES	Canada	Filed		2862454	11/17/2004		
	European Patent Convention	Filed		04811403.7	11/17/2004		1692207
	European Patent Convention	Filed		10184956.0	09/30/2010		2272892
	Canada	Granted	2546342	2546342	11/17/2004	01/13/2015	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
THEREOF	China P.R.	Granted	20048004014	20048004014	11/17/2004	01/27/2010	1902258
	Taiwan	Granted	1378113	093135453	11/18/2004	12/01/2012	1378113
ENHANCED BARRIER MULTIFUNCTIONAL COATINGS FOR NYLON FILMS	Canada	Filed		2767751	02/08/2010		
	European Patent Convention	Filed		10741593.7	02/08/2010		2396171
CHEMICALLY-MODIFIED MIXED FUELS, METHODS OF PRODUCTION AND USES THEREOF	India	Filed		6054/DELNP/2011	02/08/2010		
	Patent Cooperation Treaty	Filed		PCT/US10/23434	02/08/2010		WO 2010/093572
	China P.R.	Granted	ZL201080016078.2	201080016078.2	02/08/2010	01/27/2016	CN 102387923
	Mexico	Granted	326962	MX/a/2011/08382	02/08/2010	01/13/2015	
	United States	Granted	8946101	12/700827	02/05/2010	02/03/2015	US-2010-0203790-A1
	United States	Granted	8545580	13/412094	03/05/2012	10/01/2013	US-2012-0171630-A1
	United States	Granted	8980802	13/971999	08/21/2013	03/17/2015	
	China P.R.	Granted	ZL200680053385.1	200680053385.1	09/28/2006	10/05/2011	CN 101389709
	France	Granted	EP1969061	06804291.0	09/28/2006	02/01/2012	1969061
	United Kingdom	Granted	EP1969061	06804291.0	09/28/2006	02/01/2012	1969061
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	Germany	Granted	602006027459.9	EP1969061	09/28/2006	02/01/2012	1969061
	Italy	Granted	EP1969061	502012902035272	09/28/2006	02/01/2012	1969061

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
STABILIZERS FOR AMMONIUM NITRATE BLENDER FERTILIZERS	Korea South	Granted	10-1272057	2008-7018569	09/28/2006	05/31/2013	
	Portugal	Granted	EP1969061	06804291.0	09/28/2006	02/01/2012	1969061
	Spain	Granted	EP1969061	06804291.0	09/28/2006	02/01/2012	1969061
	United States	Granted	7427430	11/321575	12/29/2005	09/23/2008	US-2007-0154668-A1
	Brazil	Filed		PI0706508-6	01/13/2007		
	Egypt	Filed		1170/2008	01/13/2007		
	European Patent Convention	Filed		11157694.8	03/10/2011		2325155
	India	Filed		6095/DELNP/2008	01/13/2007		
	Mexico	Filed		MX/a/2015/03026	03/09/2015		
	Mexico	Filed		MX/a/2016/00065	01/07/2016		
	Mexico	Filed		MX/a/2015/017083	01/07/2016		
	Tunisia	Filed		SN08.302	01/13/2007		
	Australia	Granted		2007205959	01/13/2007	12/08/2011	
	Belarus	Granted		16701	a20081042	01/13/2007	09/26/2012
Canada	Granted		2636486	2636486	01/13/2007	11/18/2014	
China P.R.	Granted		ZL200780002274.2	200780002274.2	01/13/2007	12/04/2013	CN101370752
France	Granted		EP1981830	07710125.1	01/13/2007	05/07/2014	1981830
United Kingdom	Granted		EP1981830	07710125.1	01/13/2007	05/07/2014	1981830
Georgia	Granted		P5876	AP 200710866	01/13/2007	12/11/2012	
Germany	Granted		6020070364914	EP1981830	01/13/2007	05/07/2014	1981830
Indonesia	Granted		IDP0030724	W-00 200802339	01/13/2007	04/23/2012	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number	
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	Italy	Granted	EP1981830	50201490228 1163	01/13/2007	05/07/2014	1981830	
	Japan	Granted	5913527	2014-224125	11/04/2014	04/08/2016	2015-078116	
	Malaysia	Granted	MY-151057-A	PI 20082588	01/13/2007	03/31/2014		
	Mexico	Granted	337899	MX/a/2008/0 08910	01/13/2007	03/28/2016		
	Poland	Granted	EP1981830	07710125.1	01/13/2007	05/07/2014	1981830	
	Russian Federation	Granted	2435748	2008.132337	01/13/2007	12/10/2011		
	Spain	Granted	EP1981830	07710125.1	01/13/2007	05/07/2014	1981830	
	Ukraine	Granted	97239	2008.10355	01/13/2007	01/25/2012		
	United States	Granted	8075660	11/622878	01/12/2007	12/13/2011	US-2010-0254880-A1	
	United States	Granted	8814977	13/289700	11/04/2011	08/26/2014	US-2012-0180538-A1	
	Brazil	Filed		PI0706507-8	01/13/2007			
	Egypt	Filed		1180/2008	01/13/2007			
	European Patent Convention	Filed		11157695.5	03/10/2011		2325154	
	Japan	Filed		2008-550550	01/13/2007		2009-523687	
	Australia	Granted		2007205958	01/13/2007	12/15/2011		
	Belarus	Granted		16700	a20081041	01/13/2007	09/26/2012	
	Canada	Granted		2636468	2636468	01/13/2007	02/25/2014	
China P.R.	Granted		ZL20078000 2275.7	20078000227 5.7	01/13/2007	04/24/2013	CN 101370751	
France	Granted		EP1981829	07710124.4	01/13/2007	04/30/2014	1981829	
United Kingdom	Granted		EP1981829	07710124.4	01/13/2007	04/30/2014	1981829	
Georgia	Granted		P5642	AP 2007 10867	01/13/2007	11/02/2012		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	Germany	Granted	60200703635 19	EP1981829	01/13/2007	04/30/2014	1981829
	India	Granted	271688	6098/DELNP/2008	01/13/2007	01/29/2016	
	Indonesia	Granted	IDP00003777 0	W-00200802338	01/13/2007	01/28/2015	
	Italy	Granted	EP1981829	50201490227 9832	01/13/2007	04/30/2014	1981829
	Japan	Granted	5852211	2014-224127	11/04/2014	12/11/2015	2015-078117
	Malaysia	Granted	MY-147405-A	PI 20082587	01/13/2007	11/30/2012	
	Mexico	Granted	305984	MX/a/2008/0 08908	01/13/2007	12/10/2012	
	Poland	Granted	EP1981829	07710124.4	01/13/2007	04/30/2014	1981829
	Russian Federation	Granted	2436753	2008132336	01/13/2007	12/20/2011	
	Spain	Granted	EP1981829	07710124.4	01/13/2007	04/30/2014	1981829
	Tunisia	Granted	20503	SN08.301	01/13/2007	03/04/2010	
	Ukraine	Granted	97238	200810354	01/13/2007	01/25/2012	
	United States	Granted	8721760	11/622939	01/12/2007	05/13/2014	US-2007-0199357-A1
	Brazil	Filed		PI1101792.9	02/02/2011		
European Patent Convention	Filed		09825152.3	07/09/2009		2315736	
India	Filed		620/DELNP/2011	07/09/2009			
Australia	Granted	2009311605	2009311605	07/09/2009	06/12/2014		
Canada	Granted	2731093	2731093	07/09/2009	02/09/2016		
China P.R.	Granted	ZL20098013 5789.9	20098013578 9.9	07/09/2009	06/22/2016	CN 102149656	
Egypt	Granted	26334	PCT 101/2011	07/09/2009	08/19/2013		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	Japan	Granted	5596682	2011-518798	07/09/2009	08/15/2014	2011-528314
	Russian Federation	Granted	2515379	20111103258	07/09/2009	03/13/2014	
	United States	Granted	8652277	13/026834	02/14/2011	02/18/2014	US-2011-0132051-A1
	Brazil	Filed		PI 0818135-7	11/03/2008		
	European Patent Convention	Filed		08845121.6	11/03/2008		2212265
	Australia	Granted	2008319217	2008319217	11/03/2008	06/14/2012	
	Canada	Granted	2703945	2703945	11/03/2008	04/05/2016	
	China P.R.	Granted	ZL20088011	20088011429	11/03/2008	03/26/2014	CN 101842335
	India	Granted	270405	3229/DELNP/2010	11/03/2008	12/18/2015	
	Japan	Granted	5389038	2010-532068	11/03/2008	10/18/2013	2011-502921
PROPERTY FILMS FROM RENEWABLE POLYMERS	United States	Granted	7785387	11/933545	11/01/2007	08/31/2010	US-2009-0113966-A1
	India	Filed		8175/DELNP/2009	06/11/2008		
	China P.R.	Granted	ZL20088010	20088010344	06/11/2008	03/06/2013	CN 101821096
	Korea South	Granted	10-1430992	2010-7000867	06/11/2008	08/11/2014	
MULTILAYER AIRBAG USING NON-WOVEN FABRIC AND REINFORCED SCRIM	United States	Granted	8513144	12/126376	05/23/2008	08/20/2013	US-2008-0311813-A1
	European Patent Convention	Filed		07784242.5	05/31/2007		2026967
	India	Filed		10015/DELNP/2008	05/31/2007		
China P.R.	Granted	ZL20078002	20078002867	05/31/2007	07/18/2012	CN	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
VISCOSITY CONTROL OF PARTICLE FORMATION BY ADJUSTING AGITATION SPEED	United States	Granted	8676.X 7803724	6.X 11/809050	05/30/2007	09/28/2010	101528459 US-2007-0278775-A1
	United States	Granted	7575365	11/924634	10/26/2007	08/18/2009	US-2009-0107196-A1
	European Patent Convention	Filed		09159714.6	05/07/2009		2123450
ENHANCE PERFORMANCE ON CURRENT RENEWABLE FILM USING FUNCTIONAL POLYMER COATINGS	India	Filed		963/DEL/2009	05/12/2009		
	China P.R.	Granted	ZL200910141050.0	200910141050.0	05/18/2009	03/25/2015	CN101585254
	Japan	Granted	5710106	2009-116450	05/13/2009	03/13/2015	2010-018023
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	Korea South	Granted	10-1626787	2009-0043160	05/18/2009	05/27/2016	
	Brazil	Filed		P11100241-7	02/02/2011		
	Canada	Filed		2730992	07/09/2009		
	European Patent Convention	Filed		09798582.4	07/09/2009		
	India	Filed		609/DEL/NP/2011	07/09/2009		
	Australia	Granted		2009271213	2009271213	07/09/2009	06/26/2014
Egypt	China P.R.	Granted	ZL200980135788.4	200980135788.4	07/09/2009	01/20/2016	CN102149637
	Egypt	Granted	26632	PCT102/2011	07/09/2009	04/14/2014	
	Japan	Granted	5731973	2011-518799	07/09/2009	04/17/2015	2011-528315

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
METHODS FOR PREPARING POLYAMIDE COMPOSITIONS	Russian Federation	Granted	2522353	2011105326	07/09/2009	05/16/2014	
	United States	Granted	8623315	12/499617	07/08/2009	01/07/2014	US-2010-0047149-A1
PASTILLATION OF AMMONIUM SULFATE NITRATE	United States	Granted	8722844	13/678000	11/15/2012	05/13/2014	
	Brazil	Filed		PI1013631-2	03/30/2010		
	Canada	Filed		2757445	03/30/2010		
	European Patent Convention	Filed		10762164.1	03/30/2010		2414307
	India	Filed		7554/DELNP/2011	03/30/2010		
	Japan	Filed		2012-503587	03/30/2010		2012-521959
	Australia	Granted	2010234908	2010234908	03/30/2010	10/09/2014	
	China P.R.	Granted	ZL201080023931.3	201080023931.3	03/30/2010	06/17/2015	CN102448911
	Russian Federation	Granted	2537810	2011142093	03/30/2010	03/31/2015	
	Ukraine	Granted	104172	a 2011 12680	03/30/2010	01/10/2014	
POLYAMIDE COMPOSITION, CABLE TIE MADE THEREOF AND ITS MANUFACTURING METHOD	United States	Granted	7985393	12/415312	03/31/2009	07/26/2011	US-2010-0242556-A1
	United States	Granted	8268279	13/163861	06/20/2011	09/18/2012	US-2011-0277522-A1
	India	Filed		860/DELNP/2013	09/03/2010		
POLYAMIDE COMPOSITION, CABLE TIE MADE THEREOF AND ITS MANUFACTURING METHOD	Thailand	Filed		1201006882	09/03/2010		133882
	United States	Filed		13/805942	04/23/2013		US-2014-0041159-A1
	China P.R.	Granted	ZL201080068900.X	201080068900.X	09/03/2010	11/25/2015	CN103068692

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
VARIABLE-ORIFICE PRILL PLATE	Japan	Granted	5764211	2013-526293	09/03/2010	06/19/2015	2013-536880
	Brazil	Filed		BR112012033327-5	06/24/2011		
METHOD FOR PRODUCTION OF AMMONIUM SULFATE NITRATE	European Patent Convention	Filed		11810071.8	06/24/2011		2588224
	China P.R.	Granted	ZL2011180032485.7	2011180032485.7	06/24/2011	02/25/2015	CN102958593
	Russian Federation	Granted	2558600	2012157022	06/24/2011	07/06/2015	
	United States	Granted	8329073	13/150699	06/01/2011	12/11/2012	US-2012-0001355-A1
	Brazil	Filed		BR1120130106140	11/02/2011		
	Canada	Filed		2816677	11/02/2011		
NH3 OXIDIZER GAS DISTRIBUTOR	China P.R.	Filed		2011180052731.5	11/02/2011		CN103249675
	European Patent Convention	Filed		11838722.4	11/02/2011		2635528
	Japan	Filed		2013-537775	11/02/2011		2013-545703
	United States	Filed		13/286440	11/01/2011		US-2012-0131972-A1
	Australia	Granted	2011323438	2011323438	11/02/2011	05/21/2015	
NH3 OXIDIZER GAS DISTRIBUTOR	Russian Federation	Granted	2581399	2013122694	11/02/2011	03/24/2016	
	Canada	Filed		2836492	06/18/2012		
	European Patent Convention	Filed		12803283.6	06/18/2012		2723489
	India	Filed		9722/DELNP/2013	06/18/2012		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
COMPOSITIONS AND METHODS TO DETECT ILLICIT USES OF FERTILIZERS	Russian Federation	Filed		2013153150	06/18/2012		
	China P.R.	Granted	ZL201280030314.5	201280030314.5	06/18/2012	11/25/2015	103619465
	Japan	Granted	5906311	2014-517044	06/18/2012	03/25/2016	2014-531378
	United States	Granted	8734728	13/164194	06/20/2011	05/27/2014	US-2012-0321529-A1
	European Patent Convention	Filed		11817012.5	08/11/2011		2603476
	China P.R.	Granted	ZL201180039188.5	201180039188.5	08/11/2011	12/02/2015	CN103038194
	Russian Federation	Granted	2580346	2013110231	08/11/2011	03/15/2016	
	United States	Granted	8858672	13/206980	08/10/2011	10/14/2014	US-2012-0067093-A1
	European Patent Convention	Filed		11817017.4	08/11/2011		2603477
	China P.R.	Granted	ZL201180039139.1	201180039139.1	08/11/2011	11/25/2015	CN103038193
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	United States	Granted	8858673	13/207017	08/10/2011	10/14/2014	US-2012-0036908-A1
	Canada	Filed		2866122	03/04/2013		
	China P.R.	Filed		201380013909.4	03/04/2013		CN104334266
	European Patent Convention	Filed		13761234.7	03/04/2013		2825300
	Russian Federation	Filed		2014137030	03/04/2013		
United States	Granted	8652367	13/763279	02/08/2013	02/18/2014	US-2013-0241093-A1	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	Brazil	Filed		BR112013023112-2	03/07/2012		
	Canada	Filed		2829945	03/07/2012		
	China P.R.	Filed		201280012975.5	03/07/2012		CN103717651
	European Patent Convention	Filed		12758110.6	03/07/2012		2683762
	India	Filed		7719/DELNP/2013	03/07/2012		
	Japan	Filed		2013-557827	03/07/2012		2014-512422
	Korea South	Filed		2013-7026739	03/07/2012		
	United States	Filed		13/407230	02/28/2012		US-2012-0228182-A1
	China P.R.	Filed		201280055824.8	05/31/2012		103917600
	India	Filed		3557/DELNP/2014	05/31/2012		
POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS	Patent Cooperation Treaty	Filed		PCT/CN12/76319	05/31/2012		WO2013/0071744
	Taiwan	Filed		101142271	11/13/2012		201333111
	Thailand	Filed		1401002621	05/31/2012		145951
	Singapore	Granted		11201402052	05/31/2012	05/26/2016	
	United States	Granted		9416270	05/31/2012	08/16/2016	US-2014-0336317-A1
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH	Brazil	Filed		BR1120140205035	03/18/2013		
	European Patent Convention	Filed		13770286.6	03/18/2013		2831202

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
CAPROLACTAMU M IONIC LIQUIDS	India	Filed		6974/DELNP /2014	03/18/2013		
	Korea South	Filed		10-2014- 7027359	03/18/2013		
	Canada	Granted	2864852	2864852	03/18/2013	04/26/2016	
	China P.R.	Granted	ZL20138001 6096.4	20138001609 6.4	03/18/2013	11/25/2015	CN1042041 45A
	Mexico	Granted	337388	MX/a/201410 11361	03/18/2013	03/02/2016	
	Singapore	Granted	11201404865 T	11201404865 T	03/18/2013	01/04/2016	
	United States	Granted	8709236	13/429596	03/26/2012	04/29/2014	US-2013- 0248423-A1
	Brazil	Filed		BR11201401 0194-9	10/25/2012		
	China P.R.	Filed		20128005293 9.1	10/25/2012		104039760
	Colombia	Filed		14089762	10/25/2012		
GAS AND LIQUID PHASE CATALYTIC BACKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	European Patent Convention	Filed		12842979.2	10/25/2012		2771317
	India	Filed		3074/DELNP /2014	10/25/2012		
	Japan	Filed		2014-538999	10/25/2012		2015- 501321
	Korea South	Filed		2014- 7014091	10/25/2012		
	Mexico	Filed		MX/a/2014/0 05018	10/25/2012		
	Russian Federation	Filed		2014121157	10/25/2012		
	Thailand	Filed		1401002296	10/25/2012		152827
	United States	Filed		14/263156	04/28/2014		US-2015- 0306586-A1

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
	United States	Granted	9221762	14/273688	05/09/2014	12/29/2015	US-2015-0126732-A1
	United States	Granted	8772476	13/658495	10/23/2012	07/08/2014	US-2013-0109851-A1
PROCESS FOR PREPARING AMMONIUM SULFATE NITRATE	Canada	Filed		2863030	01/21/2013		
	China P.R.	Filed		20138000763 5.8	01/21/2013		104169240
	European Patent Convention	Filed		13742876.9	01/21/2013		2809630
	Russian Federation	Filed		2014132446	01/21/2013		
	United States	Filed		13/743090	01/16/2013		US-2013-0192323-A1
HEAT SEALABLE COATED NYLON	Canada	Filed		2864717	02/27/2013		
	China P.R.	Filed		20138001098 0.7	02/27/2013		104136511
	European Patent Convention	Filed		13754112.4	02/27/2013		
	India	Filed		6926/DELNP /2014	02/27/2013		
	Japan	Filed		2014-559952	02/27/2013		2015-510016
	Korea South	Filed		2014-7023536	02/27/2013		
	Mexico	Filed		MX/a/2014/0 10238	02/27/2013		
METHOD AND COMPOSITIONS FOR PRODUCING POLYMER BLENDS	United States	Filed		13/777875	02/26/2013		US-2013-0219833-A1
	Canada	Filed		2876654	06/18/2013		
	European Patent Convention	Filed		13807127.9	06/18/2013		2864398

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
	Mexico	Filed		MX/a/2014/015613	06/18/2013		
	United States	Filed		15/057640	03/01/2016		
	United States	Granted	9312047	13/833490	03/15/2013	04/12/2016	US-2013-0344236-A1
OXIMATION OF KA OIL BY-PRODUCT	China P.R.	Filed		201480014685.3	03/12/2014		105164095
	European Patent Convention	Filed		14773007.1	03/12/2014		2970075
	United States	Granted	9382195	14/204682	03/11/2014	07/05/2016	US-2014-0275627-A1
THERMALLY CONDUCTIVE PA6 COMPOSITION FOR LED HEATSINK APPLICATION	China P.R.	Filed		201310356834.1	07/30/2013		CN104341772
PA6 THERMAL CONDUCTIVE PLASTIC WITH CVD GROWTH FILLER	China P.R.	Filed		201410678143.8	11/24/2014		CN105647168
TEMPERATURE-BASED LEVEL DETECTION AND CONTROL METHOD AND APPARATUS	Patent Cooperation Treaty	Filed		PCT/US15/27248	04/23/2015		WO2015/171328
	United States	Filed		14/273814	05/09/2014		US-2015-0323938-A1
REACTOR WITH BAFFLE CONFIGURATION	Patent Cooperation Treaty	Filed		PCT/US15/40466	07/15/2015		WO2016/018620
	United States	Filed		14/790112	07/02/2015		US-2016-0031770-A1
A LED HEAT SINK MADE OF THERMALLY	China P.R.	Filed		201410529125.3	10/10/2014		CN104654248
	China P.R.	Granted	ZL20142058	20142058560	10/10/2014	06/24/2015	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
CONDUCTIVE PLASTIC AND ALUMINUM INSERT			5606.1	6.1			
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	Patent Cooperation Treaty	Filed		PCT/US15/64 696	12/09/2015		WO 2016/10003 3
	United States	Filed		14/953800	11/30/2015		US-2016-0167030-A1
PROCESS FOR PRODUCTION OF HIGH-PURITY 2-PENTANONE OXIME	Patent Cooperation Treaty	Filed		PCT/US16/28 290	04/19/2016		
	United States	Filed		62/149894	04/20/2015		
	United States	Filed		15/132954	04/19/2016		
GRANULATOR FEED APPARATUS	Patent Cooperation Treaty	Filed		PCT/US16/20 417	03/02/2016		
	United States	Filed		15/047057	02/18/2016		
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	United States	Filed		62/387441	12/23/2015		
COMPOSITIONS FOR GEL SPINNING OF POLYAMIDES	United States	Filed		62/387558	12/23/2015		
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	United States	Filed		62/235684	10/01/2015		
NYLON 6/6,6	United States	Filed		62/376676	08/18/2016		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
COPOLYMERS MADE FROM LIQUID MIXTURES							
SOLVENTS FOR LOW POLARITY, LOW DIELECTRIC APPLICATIONS	United States	Filed		62/365053	07/21/2016		
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER.	United States	Filed		62/367753	07/28/2016		
PREPARATION OF POLYAMIDES	United States	Granted	6429279	09/554216	05/11/2000	08/06/2002	
PHENOL WITH LOW LEVELS OF METHYLBENZOFURAN	China P.R.	Granted	ZL95193451.1	95193451.1	05/03/1995	10/17/2001	
	European Patent Convention	Granted	EP0764146	95918294	05/03/1995	08/04/1999	
	India	Granted	191201	792/DEL/95	04/28/1995	05/06/2004	
	Russian Federation	Granted	2134681	97100166/04	05/03/1995	08/29/1999	
	Spain	Granted	EP0764146	95918294	05/03/1995	08/04/1999	
	United States	Granted	5414154	08/254729	06/06/1994	05/09/1995	
	China P.R.	Granted	ZL00819286.3	00819286.3	12/19/2000	12/14/2005	
	Korea South	Granted	527418	2002-7008-716	12/19/2000	11/02/2005	
	Romania	Granted	EP1248759	00986565.0	12/19/2000	06/21/2006	
	Spain	Granted	EP1248759	00986565	12/19/2000	06/21/2006	
	United States	Granted	6201157	09/480206	01/10/2000	03/13/2001	
	United States	Granted	6303826	09/487656	01/19/2000	10/16/2001	
METHOD FOR PRODUCTION OF PHENOL AND ACETONE BY DECOMPOSITION OF CUMENE HYDROPEROXIDE							
METHOD FOR PURIFICATION OF							

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
ACETONE							
METHOD FOR REDUCING METHYL BENZOFURAN LEVELS IN HIGH PURITY PHENOL	India	Granted	209324	00915/MUM NP/2003	03/26/2002	08/24/2007	
	Korea South	Granted	549559	1020037002144	03/26/2002	01/27/2006	
	Taiwan	Granted	1229663	91106956	04/08/2002	03/21/2005	1229663
	United States	Granted	6388144	09/882447	06/15/2001	05/14/2002	
	Belgium	Granted	EP1385810	02723625.6	03/26/2002	09/01/2010	
	China P.R.	Granted	ZL02801539.8	02801539.8	03/26/2002	03/08/2006	
OPTIMIZATION OF CAUSTIC USAGE	European Patent Convention	Granted	EP1385810	02723625.6	03/26/2002	09/01/2010	
	Finland	Granted	EP1385810	02723625.6	03/26/2002	09/01/2010	
	France	Granted	EP1385810	02723625.6	03/26/2002	09/01/2010	
	Germany	Granted	60237514.2	EP1385810	03/26/2002	09/01/2010	
	India	Granted	203773	00916/MUM NP/2003	03/26/2002	11/15/2006	
	Italy	Granted	EP1385810	502010901893852	03/26/2002	09/01/2010	
	Japan	Granted	3711110	2002-587387	03/26/2002	08/19/2005	
	Korea South	Granted	543580	10-2003-7000220	03/26/2002	01/09/2006	
	Netherlands	Granted	EP1385810	02723625.6	03/26/2002	09/01/2010	
	Spain	Granted	EP1385810	02723625.6	03/26/2002	09/01/2010	
	Taiwan	Granted	NI-204111	091106960	04/08/2002	06/21/2004	NI-204111
	United States	Granted	6667178	09/850625	05/07/2001	12/23/2003	US2003-0008403A1
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	Thailand	Filed		0501000828	02/25/2005		
	Belgium	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	
	Czech Republic	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	
	France	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	
	United	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	Kingdom	Granted	60200503237	EP1776326	02/03/2005	01/25/2012	
	Germany	Granted	6.7 60200503237				
	India	Granted	239565	588/CHENP/ 2007	02/03/2005	03/24/2010	
	Italy	Granted	EP1776326	50201290203 2389	02/03/2005	01/25/2012	
	Japan	Granted	4226056	2007-525594	02/03/2005	12/05/2008	
	Korea South	Granted	10-1146249	2007- 7005426	02/03/2005	05/08/2012	
	Poland	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	
	Slovak Republic	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	
	Spain	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	
	Taiwan	Granted	1261587	94104077	02/05/2005	09/11/2006	1261587
	United States	Granted	7002048	10/944315	09/16/2004	02/21/2006	
	Thailand	Filed		0501000767	02/24/2005		
	China P.R.	Granted	ZL20058000 8935.3	20058000893 5.3	02/03/2005	05/05/2010	
	France	Granted	EP1727779	05712667.4	02/02/2005	10/09/2013	
	United Kingdom	Granted	EP1727779	05712667.4	02/02/2005	10/09/2013	
	Germany	Granted	60200504144 4.4	EP1727779	02/02/2005	10/09/2013	
India	Granted	238483	3486/CHENP /2006	02/02/2005	02/08/2010		
Italy	Granted	EP1727779	50201390222 1199	02/02/2005	10/09/2013		
Japan	Granted	4226054	2007-504949	02/03/2005	12/05/2008		
Spain	Granted	EP1727779	05712667.4	02/02/2005	10/09/2013		
Taiwan	Granted	1266642	94104094	02/05/2005	11/21/2006	1266642	
United States	Granted	7034192	10/915723	08/09/2004	04/25/2006		
United States	Granted	7166752	10/199770	07/19/2002	01/23/2007		
DECOMPOSITION OF CUMENE	United States	Granted					

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number	
OXIDATION PRODUCT PROCESS FOR RECOVERY OF CUMENE HYDROPEROXIDE DECOMPOSITION PRODUCTS BY DISTILLATION	China P.R.	Granted	ZL200680042369.2	200680042369.2	11/10/2006	08/15/2012		
	Korea South	Granted	1012157	2008-7011173	05/09/2008	01/25/2011		
	Taiwan	Granted	1311132	95136938	10/04/2006	06/21/2009	1311132	
	Thailand	Granted	27953	0601005548	11/08/2006	05/26/2010		
	United States	Granted	7186866	11/273411	11/14/2005	03/06/2007		
	United States	Granted	6620980	10/121996	04/12/2002	09/16/2003		
	METHOD FOR RECOVERY OF PHENOL FROM AQUEOUS STREAMS	Brazil	Filed		BR112012031216-2	06/03/2011		
		European Patent Convention	Filed		11792928.1	06/03/2011		2580181
		India	Filed		11398/DELN P/2012	06/03/2011		
		Indonesia	Filed		W00201205131	06/03/2011		
Korea South		Filed		2012-7033746	06/03/2011			
Thailand		Filed		1201006419	06/03/2011		132829	
China P.R.		Granted	ZL2011180028747.2	2011180028747.2	06/03/2011	07/22/2015	CN103108855	
Japan		Granted	5793187	2013-514234	06/03/2011	08/14/2015	2013-531649	
Russian Federation		Granted	2562236	2012156422	06/03/2011	08/11/2015		
Singapore		Granted	186237	201209037-9	06/03/2011	10/09/2014		
United States	Granted	8247616	13432141	03/28/2012	08/21/2012	US-2012-		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
METHOD FOR PRODUCING ALPHA-METHYL STYRENE FROM CUMENE	European Patent Convention	Filed		13756997.6	03/01/2013		0197045-A1 2822920
	India	Filed		7203/DELNP/2014	03/01/2013		
	Korea South	Filed		2014-7024975	03/01/2013		
	Russian Federation	Filed		2014138162	09/23/2014		
	Thailand	Filed		1401005268	03/01/2013		149423
	China P.R.	Granted	ZL201380013114.3	201380013114.3	03/01/2013	04/13/2016	CN 104203880
	United States	Granted	8865957	13/761642	02/07/2013	10/21/2014	US-2013-0237736-A1

Trademarks

Trademark Name	Country	Registration Number	Application Number	Registration Date	Application Date	Status
ADVANSIX and design	Brazil		911026738		5/12/2016	Filed
ADVANSIX and design	Canada		1781614		5/10/2016	Filed
ADVANSIX and design	Community Trademark					Docket
ADVANSIX and design	Hong Kong		303771054		5/11/2016	Filed
ADVANSIX and design	Indonesia					Docket
ADVANSIX and design	Mexico		1745807		5/11/2016	Filed
ADVANSIX and design	United States		87/030966		5/10/2016	Filed
ADVANSIX and design	Vietnam		4-2016-13253		5/11/2016	Filed
ADVANSIX TECHNOLOGIES	Brazil		911026665		5/12/2016	Filed
ADVANSIX TECHNOLOGIES	Canada		1781603		5/10/2016	Filed
ADVANSIX TECHNOLOGIES	Community Trademark		15417355		5/10/2016	Filed
ADVANSIX TECHNOLOGIES	Hong Kong		303771063		5/11/2106	Filed
ADVANSIX TECHNOLOGIES	Indonesia					Docket
ADVANSIX TECHNOLOGIES	Mexico		1745806		5/11/2016	Filed
ADVANSIX TECHNOLOGIES	United States		87030956		5/10/2016	Filed
ADVANSIX TECHNOLOGIES	Vietnam		4-2016-13254		5/11/2016	Filed
AEGIS	Argentina		3008243		6/8/2010	Filed
AEGIS	Brazil	830638172	830638172	4/30/2013	6/10/2010	Registered
AEGIS	Canada		1680777		6/11/2014	Filed
AEGIS	Chile	901110	910440	10/28/2010	6/22/2010	Registered
AEGIS	China P.R.	8358349	8358349	6/14/2011	6/3/2010	Registered
AEGIS	Community Trademark	9162389	9162389	11/25/2010	6/9/2010	Registered
AEGIS	Mexico	1496019	1496001	11/14/2014	6/12/2014	Registered
AEGIS	South Korea	40-0877218	40-2010-0028177	8/22/2011	5/28/2010	Registered
AEGIS	United States	3050249	78/542967	1/24/2006	1/6/2005	Registered

Trademark Name	Country	Registration Number	Application Number	Registration Date	Application Date	Status
AEGIS BARRIERPRO2	Argentina		3333623		6/16/2014	Filed
AEGIS BARRIERPRO2	Brazil		907831621		6/12/2014	Filed
AEGIS BARRIERPRO2	Chile		1112035		6/20/2014	Filed
AEGIS BARRIERPRO2	China P.R.		14605063		6/13/2014	Filed
AEGIS BARRIERPRO2	Community Trademark	12955671	12955671	10/31/2014	6/10/2014	Registered
AEGIS BARRIERPRO2	South Korea	4011005060000	4020140039289	4/16/2015	6/12/2014	Registered
AEGIS BARRIERPRO2	United States	4685252	85/833526	2/10/2015	1/28/2013	Registered
CAPRAN	Argentina	1953938	838382	4/30/1993	2/3/1970	Registered
CAPRAN	Canada	177990	317440	8/27/1971	11/8/1968	Registered
CAPRAN	Community Trademark	944810	944810	11/5/2007	11/5/2007	Registered
CAPRAN	France	1445169	900014	1/15/1998	1/15/1998	Registered
CAPRAN	France	1445169	900014	1/15/1998	1/15/1998	Registered
CAPRAN	International	944810	944810	11/5/2007	11/5/2007	Registered
CAPRAN	Italy	815113	TO98C000161	5/30/2000	11/26/1967	Registered
CAPRAN	Italy	815113	TO98C000161	5/30/2000	11/26/1967	Registered
CAPRAN	New Zealand	140267	140267	1/6/1982	1/6/1982	Registered
CAPRAN	Switzerland	605939	58255/2010	9/28/2010	8/6/2010	Registered
CAPRAN	United Kingdom	932016	932016	10/7/1968	10/7/1968	Registered
CAPRAN	United Kingdom	932016	932016	10/7/1968	10/7/1968	Registered
CAPRAN	United States	730229	72/122244	4/24/1962	6/19/1961	Registered
CAPRAN PROSHIELD	Brazil	830997377	830997377	7/22/2014	4/4/2011	Registered
CAPRAN PROSHIELD	Canada		1521032		3/28/2011	Filed
CAPRAN PROSHIELD	Community Trademark	9844838	9844838	9/2/2011	3/28/2011	Registered
CAPRAN PROSHIELD	Ecuador	6997-11	2011-1856-RE	10/12/2011	3/29/2011	Registered
CAPRAN PROSHIELD	Guatemala	178405	M-002778-2011	10/4/2011	4/1/2011	Registered
CAPRAN PROSHIELD	Nicaragua	2013099011	2011-001630	9/19/2013	5/24/2011	Registered
CAPRAN PROSHIELD	Peru	178467	451018	8/12/2011	3/29/2011	Registered
CAPRAN PROSHIELD	Switzerland	618445	53708/2011	8/18/2011	3/28/2011	Registered

Trademark Name	Country	Registration Number	Application Number	Registration Date	Application Date	Status
CAPRAN PROSHIELD	United States		86/384211		9/3/2014	Filed
ELASTOMAX	Community Trademark		11669678		3/19/2013	Filed
EZ-BLOX	Brazil		909742740		7/28/2015	Filed
EZ-BLOX	Community Trademark		14402424		7/24/2015	Filed
EZ-BLOX	Japan		2015-071756		7/27/2015	Filed
EZ-BLOX	United States		86/703512		7/24/2015	Filed
NADONE	United States	657602	72/016928	1/28/1998	1/28/1998	Registered
NAXOL	United States	665249	37537	8/5/1958	9/20/1957	Registered
OXYSHIELD	Argentina	2313301	2087996	9/30/1998	6/19/1997	Registered
OXYSHIELD	Australia	732273	732273	4/16/1997	4/16/1997	Registered
OXYSHIELD	Benelux	617281	894758	6/4/1997	6/4/1997	Registered
OXYSHIELD	Brazil	820094757	820094757	9/21/1999	6/18/1997	Registered
OXYSHIELD	Canada	654000	1240420	11/30/2005	12/13/2004	Registered
OXYSHIELD	Chile	503855	379338	2/9/1998	6/6/1997	Registered
OXYSHIELD	China P.R.	4408513	4408513	4/21/2008	12/10/2005	Registered
OXYSHIELD	Colombia	301654	4124148	7/14/2005	12/10/2004	Registered
OXYSHIELD	Community Trademark	970442	970442	6/30/2008	6/30/2008	Registered
OXYSHIELD	Ecuador	1869-05	151911	5/10/2005	12/15/2004	Registered
OXYSHIELD	Finland	209949	972204	5/15/1998	5/30/1997	Registered
OXYSHIELD	France	97/680451	97/680451	6/2/1997	6/2/1997	Registered
OXYSHIELD	Germany	39725499	39725499.7	8/20/1997	6/5/1997	Registered
OXYSHIELD	Germany	39725499	39725499.7	8/20/1997	6/5/1997	Registered
OXYSHIELD	Indonesia	IDM000179650	D9711362	9/20/1999	2/11/1998	Registered
OXYSHIELD	International	970442	970442	6/30/2008	6/30/2008	Registered
OXYSHIELD	Italy	1275265	TO97C001512	2/1/2000	6/4/1997	Registered
OXYSHIELD	Japan	4215836	125823/1977	11/27/1998	6/10/1997	Registered
OXYSHIELD	Malaysia	98002322	98/02322	6/19/2001	2/27/1998	Registered
OXYSHIELD	Mexico	554101	299074	6/23/1997	6/23/1997	Registered
OXYSHIELD	New Zealand	276662	276662	5/14/1997	5/14/1997	Registered
OXYSHIELD	Peru	105148	228015	4/29/2005	12/10/2004	Registered

Trademark Name	Country	Registration Number	Application Number	Registration Date	Application Date	Status
OXXSHIELD	Russian Federation	375987	2008705211	4/1/2009	2/26/2008	Registered
OXXSHIELD	Singapore	T97/13960G	S/13960/97	11/13/1997	11/13/1997	Registered
OXXSHIELD	South Africa	97/8038	97/8038	8/9/2000	5/29/1997	Registered
OXXSHIELD	South Korea	425832	97-24594	10/21/1998	5/29/1997	Registered
OXXSHIELD	Spain	2095948	2095948	6/2/1997	6/2/1997	Registered
OXXSHIELD	Switzerland	448577	4247/1997	5/29/1997	5/29/1997	Registered
OXXSHIELD	Thailand	KOR71127	336637	6/18/1997	6/18/1997	Registered
OXXSHIELD	Turkey	2008/10821	2008/10821	3/10/2009	2/27/2008	Registered
OXXSHIELD	Ukraine	970442	970442	6/30/2008	6/30/2008	Registered
OXXSHIELD	United Kingdom	2134708	2134708	7/3/1998	6/2/1997	Registered
OXXSHIELD	United States	1980405	74/505679	6/18/1996	3/25/1994	Registered
OXXSHIELD	Venezuela	P265977	1635-05	11/11/2005	2/1/2005	Registered
ROSI	Canada		1675859		5/6/2014	Filed
ROSI	United States	4598990	86157534	9/2/2014	1/4/2014	Registered
STRETCH-VAC	United States	4358135	85/810903	6/25/2013	12/27/2012	Registered
SULF-N	Argentina	2217532	2733918	3/7/2008	3/15/2007	Registered
SULF-N	Australia	899238	899238	8/19/2002	12/27/2001	Registered
SULF-N	Brazil	829010793	829010793	10/13/2009	3/15/2007	Registered
SULF-N	Canada	591431	1127626	10/3/2003	1/9/2002	Registered
SULF-N	Dominican Republic	161241	2007-20765	6/14/2007	3/21/2007	Registered
SULF-N	El Salvador	242 Book 93	E-65664-2007	10/15/2007	3/20/2007	Registered
SULF-N	Guatemala		M-3489-2007		5/4/2007	Filed
SULF-N	Mexico	1040477	926523	4/14/2008	4/14/2008	Registered
SULF-N	New Zealand	650657	650657	7/2/2002	1/3/2002	Registered
SULF-N	Peru	127996	308702	6/7/2007	3/14/2007	Registered
SULF-N	United States	2674588	76/356885	1/14/2003	1/10/2002	Registered
SULF-N 45	Costa Rica	75223	72263	4/16/1991	5/23/1990	Registered

Copyrights

None.