

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM684038

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Bank of America, N.A., as Administrative Agent		10/27/2021	National Banking Association: UNITED STATES

RECEIVING PARTY DATA

Name:	AdvanSix Inc.
Street Address:	300 Kimball Drive
Internal Address:	Suite 101
City:	Parsippany
State/Country:	NEW JERSEY
Postal Code:	07054
Entity Type:	Corporation: DELAWARE
Name:	AdvanSix Resins & Chemicals LLC
Street Address:	300 Kimball Drive
Internal Address:	Suite 101
City:	Parsippany
State/Country:	NEW JERSEY
Postal Code:	07054
Entity Type:	Limited Liability Company: DELAWARE

PROPERTY NUMBERS Total: 15

Property Type	Number	Word Mark
Serial Number:	87030966	ADVANSIX
Serial Number:	87030956	ADVANSIX TECHNOLOGIES
Registration Number:	3050249	AEGIS
Registration Number:	4685252	AEGIS BARRIERPRO2
Registration Number:	0730229	CAPRAN
Serial Number:	86384211	CAPRAN PROSHIELD
Serial Number:	86703512	EZ-BLOX
Registration Number:	0657602	NADONE
Registration Number:	0665249	NAXOL
Registration Number:	1980405	OXYSHIELD

TRADEMARK

Property Type	Number	Word Mark
Registration Number:	4598990	ROSI
Registration Number:	4358135	STRETCH-VAC
Registration Number:	2674588	SULF-N
Registration Number:	5321829	ADVANSIX
Serial Number:	87333097	ADVANSIX CARING

CORRESPONDENCE DATA

Fax Number: 7044441111
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: 24
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TERMINATION AND RELEASE OF PATENT AND TRADEMARK SECURITY INTEREST

This TERMINATION AND RELEASE (this "Release") is dated as of October 27, 2021 (the "Release Date"), by BANK OF AMERICA, N.A., as Administrative Agent for the Secured Parties (as defined in the Security Agreement) (in such capacity, the "Agent"), for the benefit of each of ADVANSIX INC., a Delaware corporation and ADVANSIX RESINS & CHEMICALS LLC, a Delaware limited liability company (each a "Grantor" and collectively, the "Grantors").

WHEREAS, pursuant to that certain Security Agreement, dated as of September 30, 2016, by and among the Agent, the Grantors and certain other parties thereto (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement"), the Grantors granted to the Agent, in its capacity as collateral agent, a security interest in and to certain collateral;

WHEREAS, pursuant to that certain (i) Intellectual Property Security Agreement, dated as of September 30, 2016, by the Grantors in favor of the Agent (the "Initial IP Security Agreement") and (ii) Intellectual Property Security Agreement Supplement dated May 1, 2018 by the Grantors in favor of the Agent (the "IP Security Agreement Supplement"; and collectively with the Initial IP Security Agreement, the "IP Security Agreements"), each Grantor pledged and granted to the Agent a lien on and security interest in and to all of its right, title and interest in, to and under certain (i) patents, patent applications, utility models and statutory invention registrations, all inventories claimed or disclosed therein and all improvements thereto set forth on Schedule I hereto and (ii) trademark and service mark registrations and applications set forth on Schedule II hereto (the collateral in the foregoing clauses (i) and (ii), collectively, the "Patent and Trademark Collateral");

WHEREAS, the Initial IP Security Agreement was recorded with the United States Patent and Trademark Office on October 14, 2016 at Reel/Frame 005899/0575 and on October 17, 2016 at Reel/Frame 040382/0909 and the IP Security Agreement Supplement was recorded with the United States Patent and Trademark Office on May 2, 2018 at Reel/Frame 006345/0094 and at Reel/Frame 045696/0109; and

WHEREAS, the obligations of the Grantors to the Agent have been paid in full and the Grantors have requested that the Agent release its security interest in the Patent and Trademark Collateral.

NOW THEREFORE, in consideration thereof and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent agrees as follows:

1. Release of Security Interest. Effective as of the Release Date, the Agent hereby, without any representation and warranty and without any recourse (a) terminates the Liens (as defined in the Credit Agreement) and security interests created under the IP Security Agreements in the Patent and Trademark Collateral, (b) discharges any and all rights, title and interest it has in and the security interest granted to the Agent in the Patent and Trademark Collateral, (c) terminates

the IP Security Agreements except for any provisions therein that expressly survive termination, and (d) assigns, grants and conveys to the applicable Grantor any and all of Agent's right, title and interest in and to the Patent and Trademark Collateral.

2. Recordation of Release. The Agent understands and agrees that this Release may be recorded by or for each Grantor with the USPTO.

3. Further Actions. The Agent further agrees to execute any other documents and take any further action reasonably necessary in any state, country or jurisdiction that the Grantors may reasonably require to effect the intent and purpose of this Release; provided, that all such documents are to be prepared by counsel to such Grantor and the cost and expense of such documents and actions shall be borne solely by such Grantor.

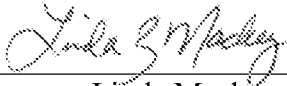
4. Capitalized Terms. Capitalized terms used herein and not otherwise defined shall have the meanings ascribed thereto in the Security Agreement or the IP Security Agreements, as applicable.

5. Governing Law. This Release shall be governed exclusively under the laws of the State of New York, without regard to conflicts of law or choice of law principles.

[Signature page follows]

IN WITNESS WHEREOF, the Agent has caused this Release to be executed as an instrument under seal by its duly authorized officer as of the Release Date.

BANK OF AMERICA, N.A., as Agent

By: 
Name: Linda Mackey
Title: Vice President

Schedule I

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	
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		1897610
	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	ZL200610146488.4	200610146488.4	09/26/2006	04/10/2013	CN 101152622
	Egypt	Granted	24350	566/2006	10/30/2006	02/22/2009	
	Mexico	Granted	298831	PA/a/2006/010999	09/26/2006	05/04/2012	
	Mexico	Granted	307480	MX/a/2012/000306	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	
	United States	Granted	7175684	09/468668	12/21/1999	02/13/2007	
Uzbekistan	Granted	IAP04525	IAP20060344	09/19/2006	07/31/2012		
AMMONIUM SULFATE SUSPENSIONS IN OILS	United States	Granted	6423667	09/855481	05/15/2001	07/23/2002	
OXYGEN SCAVENGING HIGH BARRIER POLYAMIDE COMPOSITIONS FOR PACKAGING APPLICATIONS	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
	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	
	United States	Granted	6685861	09/971272	01/04/2002	02/03/2004	

[SIGNATURE PAGE TO TERMINATION AND RELEASE OF PATENT AND TRADEMARK SECURITY INTEREST]

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TRADEMARK
REEL: 007475 FRAME: 0007

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
FLAME-RETARDANT POLYAMIDE FIBER	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	
ADDITION OF ADDITIVES TO POLYMERIC MATERIAL	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	
MULTICOMPONENT YARN VIA LIQUID INJECTION	United States	Granted	5641570	08/561501	11/20/1995	06/24/1997	
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	
	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		
ULTRA HIGH OXYGEN BARRIER FILMS AND ARTICLES MADE THEREFROM	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 APPLICATIONS	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	
	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		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
AMIDE-BASED COMPOUNDS, PRODUCTION, RECOVERY, PURIFICATION AND USES THEREOF	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
PRE-FIBER GEL MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE 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	602004045441.9	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	
	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	I372160	093135248	11/17/2004	09/11/2012	I372160
	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-2005-0119376-A1
MULTIPHASE FIBER MATERIALS AND COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF	Canada	Granted	2546346	2546346	11/15/2004	07/10/2012	
	China P.R.	Granted	200480040598.1	200480040598.1	11/15/2004	04/20/2011	1906242
	China P.R.	Granted	ZL201110041787.2	201110041787.2	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	602004042947.3	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	502013902199376	08/20/2010	07/31/2013	2253661
	Italy	Granted	EP1699861	502014902295004	11/15/2004	07/09/2014	1699861
	Korea South	Granted	10-1265536	2006-7012189	11/15/2004	05/13/2013	
	Taiwan	Granted	I379867	093135249	11/17/2004	12/21/2012	I379867

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
	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 THEREOF	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	
	China P.R.	Granted	20048004014 9.7	20048004014 9.7	11/17/2004	01/27/2010	1902258
	Taiwan	Granted	I378113	093135453	11/18/2004	12/01/2012	I378113
ENHANCED BARRIER MULTIFUNCTIONAL COATINGS FOR NYLON FILMS	Canada	Filed		2767751	02/08/2010		
	European Patent Convention	Filed		10741593.7	02/08/2010		2396171
	India	Filed		6054/DELNP/2011	02/08/2010		
	Patent Cooperation Treaty	Filed		PCT/US10/23434	02/08/2010		WO 2010/09357 2
	China P.R.	Granted	ZL201080016078.2	201080016078.2	02/08/2010	01/27/2016	CN 102387923
	Mexico	Granted	326962	MX/a/2011/008382	02/08/2010	01/13/2015	
	United States	Granted	8946101	12/700827	02/05/2010	02/03/2015	US-2010-0203790-A1
CHEMICALLY-MODIFIED MIXED FUELS, METHODS OF PRODUCTION AND USES THEREOF	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	
POLYAMIDE BLEND COMPOSITION HAVING EXCELLENT GAS BARRIER PERFORMANCE	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
	Germany	Granted	60200602745 9.9	EP1969061	09/28/2006	02/01/2012	1969061
	Italy	Granted	EP1969061	50201290203 5272	09/28/2006	02/01/2012	1969061
	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
STABILIZERS FOR AMMONIUM NITRATE BLENDER FERTILIZERS	Brazil	Filed		PI0706508-6	01/13/2007		
	Egypt	Filed		1170/2008	01/13/2007		
	European Patent Convention	Filed		11157694.8	03/10/2011		2325155

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
	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	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	602007036491.4	EP1981830	01/13/2007	05/07/2014	1981830
	Indonesia	Granted	IDP0030724	W-00 200802339	01/13/2007	04/23/2012	
	Italy	Granted	EP1981830	502014902281163	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/2008/008910	01/13/2007	03/28/2016	
	Poland	Granted	EP1981830	07710125.1	01/13/2007	05/07/2014	1981830
	Russian Federation	Granted	2435748	2008132337	01/13/2007	12/10/2011	
	Spain	Granted	EP1981830	07710125.1	01/13/2007	05/07/2014	1981830
	Ukraine	Granted	97239	200810355	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
COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	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	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	ZL200780002275.7	200780002275.7	01/13/2007	04/24/2013	CN101370751
	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

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
	Georgia	Granted	P5642	AP 2007 10867	01/13/2007	11/02/2012	
	Germany	Granted	60200703635 1.9	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
WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS	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	
	Japan	Granted	5596682	2011-518798	07/09/2009	08/15/2014	2011- 528314
	Russian Federation	Granted	2515379	2011103258	07/09/2009	03/13/2014	
United States	Granted	8652277	13/026834	02/14/2011	02/18/2014	US-2011- 0132051-A1	
CHEMICALLY AND PHYSICALLY MODIFIED FERTILIZERS, METHODS OF PRODUCTION AND USES THEREOF	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 4290.5	20088011429 0.5	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

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	United States	Granted	7785387	11/933545	11/01/2007	08/31/2010	US-2009-0113966-A1
PROPERTY FILMS FROM RENEWABLE POLYMERS	India	Filed		8175/DELNP/2009	06/11/2008		
	China P.R.	Granted	ZL200880103443.6	200880103443.6	06/11/2008	03/06/2013	CN101821096
	Korea South	Granted	10-1430992	2010-7000867	06/11/2008	08/11/2014	
	United States	Granted	8513144	12/126376	05/23/2008	08/20/2013	US-2008-0311813-A1
MULTILAYER AIRBAG USING NON-WOVEN FABRIC AND REINFORCED SCRIM	European Patent Convention	Filed		07784242.5	05/31/2007		2026967
	India	Filed		10015/DELNP/2008	05/31/2007		
	China P.R.	Granted	ZL200780028676.X	200780028676.X	05/31/2007	07/18/2012	CN101528459
	United States	Granted	7803724	11/809050	05/30/2007	09/28/2010	US-2007-0278775-A1
VISCOSITY CONTROL OF PARTICLE FORMATION BY ADJUSTING AGITATION SPEED	United States	Granted	7575365	11/924634	10/26/2007	08/18/2009	US-2009-0107196-A1
ENHANCE PERFORMANCE ON CURRENT RENEWABLE FILM USING FUNCTIONAL POLYMER COATINGS	European Patent Convention	Filed		09159714.6	05/07/2009		2123450
	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
	Korea South	Granted	10-1626787	2009-0043160	05/18/2009	05/27/2016	
METHODS FOR PREPARING COMPOSITIONS COMPRISING AMMONIUM NITRATE DOUBLE SALTS	Brazil	Filed		PI1100241-7	02/02/2011		
	Canada	Filed		2730992	07/09/2009		
	European Patent Convention	Filed		09798582.4	07/09/2009		
	India	Filed		609/DELNP/2011	07/09/2009		
	Australia	Granted	2009271213	2009271213	07/09/2009	06/26/2014	
	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
	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	

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METHODS FOR PREPARING POLYAMIDE COMPOSITIONS	United States	Granted	8722844	13/678000	11/15/2012	05/13/2014	
PASTILLATION OF AMMONIUM SULFATE NITRATE	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	
	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	
POLYAMIDE COMPOSITION, CABLE TIE MADE THEREOF AND ITS MANUFACTURING METHOD	India	Filed		860/DELNP/2013	09/03/2010		
	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
	Japan	Granted	5764211	2013-526293	09/03/2010	06/19/2015	2013-536880
VARIABLE-ORIFICE PRILL PLATE	Brazil	Filed		BR112012033327-5	06/24/2011		
	European Patent Convention	Filed		11810071.8	06/24/2011		2588224
	China P.R.	Granted	ZL201180032485.7	201180032485.7	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
METHOD FOR PRODUCTION OF AMMONIUM SULFATE NITRATE	Brazil	Filed		BR1120130106140	11/02/2011		
	Canada	Filed		2816677	11/02/2011		
	China P.R.	Filed		201180052731.5	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

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	Australia	Granted	2011323438	2011323438	11/02/2011	05/21/2015	
	Russian Federation	Granted	2581399	2013122694	11/02/2011	03/24/2016	
NH3 OXIDIZER GAS DISTRIBUTOR	Canada	Filed		2836492	06/18/2012		
	European Patent Convention	Filed		12803283.6	06/18/2012		2723489
	India	Filed		9722/DELNP/2013	06/18/2012		
	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
COMPOSITIONS AND METHODS TO DETECT ILLICIT USES OF FERTILIZERS	European Patent Convention	Filed		11817012.5	08/11/2011		2603476
	China P.R.	Granted	ZL201180039188.5	201180039188.5	08/11/2011	12/02/2015	CN 103038194
	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	CN 103038193
	United States	Granted	8858673	13/207017	08/10/2011	10/14/2014	US-2012-0036908-A1
METHOD AND APPARATUS FOR PRILLING WITH PRESSURE CONTROL	Canada	Filed		2866122	03/04/2013		
	China P.R.	Filed		201380013909.4	03/04/2013		CN 104334266
	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
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		CN 103717651
	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

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	Korea South	Filed		2013-7026739	03/07/2012		
	United States	Filed		13/407230	02/28/2012		US-2012-0228182-A1
POLYAMIDE COMPOSITION FOR LOW TEMPERATURE APPLICATIONS	China P.R.	Filed		20128005582 4.8	05/31/2012		103917600
	India	Filed		3557/DELNP /2014	05/31/2012		
	Patent Cooperation Treaty	Filed		PCT/CN12/7 6319	05/31/2012		WO2013/00 71744
	Taiwan	Filed		101142271	11/13/2012		201333111
	Thailand	Filed		1401002621	05/31/2012		145951
	Singapore	Granted	11201402052 Q	11201402052 Q	05/31/2012	05/26/2016	
	United States	Granted	9416270	14/353955	05/31/2012	08/16/2016	US-2014-0336317-A1
PROCESS FOR REMOVING NITROGEN FROM FUEL STREAMS WITH CAPROLACTAMIU M IONIC LIQUIDS	Brazil	Filed		BR11201402 05035	03/18/2013		
	European Patent Convention	Filed		13770286.6	03/18/2013		2831202
	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
GAS AND LIQUID PHASE CATALYTIC BACKMANN REARRANGEMENT OF OXIMES TO PRODUCE LACTAMS	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		
	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

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	United States	Filed		14/263156	04/28/2014		US-2015-0306586-A1
	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		
	United States	Filed		13/777875	02/26/2013		US-2013-0219833-A1
METHOD AND COMPOSITIONS FOR PRODUCING POLYMER BLENDS	Canada	Filed		2876654	06/18/2013		
	European Patent Convention	Filed		13807127.9	06/18/2013		2864398
	Mexico	Filed		MX/a/2014/0 15613	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		20148001468 5.3	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		20131035683 4.1	07/30/2013		CN 104341772
PA6 THERMAL CONDUCTIVE	China P.R.	Filed		20141067814 3.8	11/24/2014		CN 105647168

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PLASTIC WITH CVD GROWTH FILLER							
TEMPERATURE-BASED LEVEL DETECTION AND CONTROL METHOD AND APPARATUS	Patent Cooperation Treaty	Filed		PCT/US15/27248	04/23/2015		WO 2015/171328
	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		WO 2016/018620
	United States	Filed		14/790112	07/02/2015		US-2016-0031770-A1
A LED HEAT SINK MADE OF THERMALLY CONDUCTIVE PLASTIC AND ALUMINUM INSERT	China P.R.	Filed		201410529125.3	10/10/2014		CN 104654248
	China P.R.	Granted	ZL201420585606.1	201420585606.1	10/10/2014	06/24/2015	
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	Patent Cooperation Treaty	Filed		PCT/US15/64696	12/09/2015		WO 2016/100033
	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/US16/28290	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/US16/20417	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 COPOLYMERS MADE FROM LIQUID MIXTURES	United States	Filed		62/376676	08/18/2016		
SOLVENTS FOR LOW POLARITY,	United States	Filed		62/365053	07/21/2016		

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LOW DIELECTRIC APPLICATIONS							
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	
METHOD FOR PRODUCTION OF PHENOL AND ACETONE BY DECOMPOSITION OF CUMENE HYDROPEROXIDE	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 REDUCING METHYLBENZOFURAN 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	I229663	91106956	04/08/2002	03/21/2005	I229663
	United States	Granted	6388144	09/882447	06/15/2001	05/14/2002	
OPTIMIZATION OF CAUSTIC USAGE	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	
	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

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	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 Kingdom	Granted	EP1776326	05712610.4	02/03/2005	01/25/2012	
	Germany	Granted	60200503237 6.7	EP1776326	02/03/2005	01/25/2012	
	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	I261587	94104077	02/05/2005	09/11/2006	I261587
United States	Granted	7002048	10/944315	09/16/2004	02/21/2006		
METHOD FOR REMOVAL OF ACETOL FROM PHENOL	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	I266642	94104094	02/05/2005	11/21/2006	I266642
	United States	Granted	7034192	10/915723	08/09/2004	04/25/2006	
DECOMPOSITION OF CUMENE OXIDATION PRODUCT	United States	Granted	7166752	10/199770	07/19/2002	01/23/2007	
PROCESS FOR RECOVERY OF CUMENE HYDROPEROXIDE DECOMPOSITION PRODUCTS BY DISTILLATION	China P.R.	Granted	ZL20068004 2369.2	20068004236 9.2	11/10/2006	08/15/2012	
	Korea South	Granted	1012157	2008- 7011173	05/09/2008	01/25/2011	
	Taiwan	Granted	I311132	95136938	10/04/2006	06/21/2009	I311132
	Thailand	Granted	27953	0601005548	11/08/2006	05/26/2010	
	United States	Granted	7186866	11/273411	11/14/2005	03/06/2007	
METHOD FOR RECOVERY OF PHENOL FROM	United States	Granted	6620980	10/121996	04/12/2002	09/16/2003	

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
AQUEOUS STREAMS							
IMPROVED METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE	Brazil	Filed		BR112012031216-2	06/03/2011		
	European Patent Convention	Filed		11792928.1	06/03/2011		2580181
	India	Filed		11398/DELNP/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	ZL201180028747.2	201180028747.2	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	13/432141	03/28/2012	08/21/2012	US-2012-0197045-A1	
METHOD FOR PRODUCING ALPHA-METHYL STYRENE FROM CUMENE	European Patent Convention	Filed		13756997.6	03/01/2013		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	CN104203880
	United States	Granted	8865957	13/761642	02/07/2013	10/21/2014	US-2013-0237736-A1

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
POLYAMIDE TERPOLYMERS FOR MANUFACTURE OF TRANSPARENT ARTICLES	United States	Provisional		62/504,837	05/11/2017		
BRANCHED, TERMINATED POLYAMIDE COMPOSITIONS	United States	Provisional		62/481,998	04/05/2017		
SEMI-AROMATIC COPOLYAMIDES	United States	Provisional		62/489,532	04/25/2017		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
BASED ON CAPROLACTAM							
METHOD AND COMPOSITION FOR IMPROVED AGGLOMERATION RESISTANCE OF POLYAMIDE POLYMERS	United States	Provisional		62/490,704	04/27/2017		
METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS	United States	Provisional		62/579,636	10/31/2017		
	United States	Provisional		62/524,786	6/26/2017		
PROCESS FOR POLYMERIZING CYCLIC OLIGOMERS OF POLYAMIDES	United States	Provisional		62/539,735	8/01/2017		
COMPOSITIONS AND METHODS FOR CROP DEFENSE	United States	Provisional		62/558,567	9/14/2017		
COMPOSITIONS AND METHODS FOR CROP NUTRITION	United States	Provisional		62/558,551	9/14/2017		
HEAT SEALABLE FOOD PACKAGING FILMS, METHODS FOR THE PRODUCTION THEREOF, AND FOOD PACKAGES COMPRISING HEAT SEALABLE FOOD PACKAGING FILMS	United States	Pending		15/291,267	10/12/2016		
HIERARCHICAL ALUMINOPHOSPHATES AS CATALYSTS FOR THE BECKMANN REARRANGEMENT	Patent Cooperation Treaty	Pending		PCT/US2015/064696	12/09/2015		
GRANULATOR FEED APPARATUS	Patent Cooperation Treaty	Pending		PCT/US2016/020417	3/02/2016		
DUAL-TERMINATED POLYAMIDE FOR HIGH SPEED SPINNING APPLICATION	Patent Cooperation Treaty	Pending		PCT/US2016/068390	12/22/2016		
	United States	Pending		15/388,999	12/22/2016		

Title	Country	Status	Patent Number	Application Number	Application Date	Grant Date	Publication Number
COMPOSITIONS AND METHODS FOR GEL SPINNING OF POLYAMIDES	Patent Cooperation Treaty	Pending		PCT/US2018/17959	2/13/2018		
	United States	Provisional		62/469,038	3/09/2017		
NANOPARTICLE CATALYSTS FOR CONVERSION OF CYCLOHEXANOL TO CYCLOHEXANONE	United States	Pending		15/790,235	10/23/2017		
	Patent Cooperation Treaty	Pending		PCT/US2016/054334	9/29/2016		
	United States	Granted	9,822,052	15/279,837	9/29/2016	11/21/2017	
WIRE AND CABLE JACKET FORMULATION COMPOSITION OF PA6/66 COPOLYMER BASE RESIN FOR IMPROVED PROCESSABILITY AND PROPERTIES	United States	Provisional		62/469,595	3/10/2017		
POLYAMIDE 6 RESINS CONTAINING A LOW LEVEL OF POLYAMIDE 66 COMONOMER	Patent Cooperation Treaty	Pending		PCT/US2017/042160	7/14/2017		
	United States	Pending		15/650,407	7/14/2017		
SPINNING AND STABILITY OF SOLUTION-DYED NYLON FIBERS	United States	Granted	6,136,433	09/041,031	3/11/1998	10/24/2000	

Schedule II
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	9011110	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
AEGIS BARRIERPRO2	Argentina		3333623		6/16/2014	Filed
AEGIS BARRIERPRO2	Brazil		907831621		6/12/2014	Filed
AEGIS BARRIERPRO2	Chile		1112035		6/20/2014	Filed

Trademark Name	Country	Registration Number	Application Number	Registration Date	Application Date	Status
AEGIS BARRIERPRO2	China P. R.	12955671	14605063	10/31/2014	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	9844838	1521032	9/2/2011	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	53-08/2011	8/18/2011	3/28/2011	Registered
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

Trademark Name	Country	Registration Number	Application Number	Registration Date	Application Date	Status
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	37557	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	Belux	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
OXYSHIELD	Russian Federation	375987	2008705211	4/1/2009	2/26/2008	Registered
OXYSHIELD	Singapore	T97/13960G	S/13960/97	11/13/1997	11/13/1997	Registered
OXYSHIELD	South Africa	97/8038	97/8038	8/9/2000	5/29/1997	Registered
OXYSHIELD	South Korea	425832	97-24594	10/21/1998	5/29/1997	Registered
OXYSHIELD	Spain	2095948	2095948	6/2/1997	6/2/1997	Registered
OXYSHIELD	Switzerland	448577	4247/1997	5/29/1997	5/29/1997	Registered
OXYSHIELD	Thailand	KOR71127	336637	6/18/1997	6/18/1997	Registered
OXYSHIELD	Turkey	2008/10821	2008/10821	3/10/2009	2/27/2008	Registered

Trademark Name	Country	Registration Number	Application Number	Registration Date	Application Date	Status
OXYSHIELD	Ukraine	970442	970442	6/30/2008	6/30/2008	Registered
OXYSHIELD	United Kingdom	2134708	2134708	7/3/1998	6/2/1997	Registered
OXYSHIELD	United States	1980405	74505679	6/18/1996	3/25/1994	Registered
OXYSHIELD	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
ADVANSIX	United States	5321829	87/360292	10/31/2017	03/06/2017	Registered / Granted
ADVANSIX CARING	United States		87/333097		02/13/2017	Application allowed