

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7194986

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SANTOPRENE PRODUCTION PENSACOLA LLC	12/01/2021
RECEIVING PARTY DATA		
Name:	CELANESE INTERNATIONAL CORPORATION	
Street Address:	222 W. LAS COLINAS BLVD.	
Internal Address:	SUITE 900N	
City:	IRVING	
State/Country:	TEXAS	
Postal Code:	75039	
PROPERTY NUMBERS Total: 93		
Property Type	Number	
Application Number:	11012752	
Application Number:	16334107	
Application Number:	11251516	
Application Number:	10943307	
Application Number:	11086093	
Application Number:	09771044	
Application Number:	10171177	
Application Number:	10569328	
Application Number:	10181003	
Application Number:	09752080	
Application Number:	11051934	
Application Number:	11354637	
Application Number:	11099944	
Application Number:	11167480	
Application Number:	11167339	
Application Number:	11375737	
Application Number:	11173033	
Application Number:	11246773	
Application Number:	11246772	

PATENT

Property Type	Number
Application Number:	11297936
Application Number:	11311491
Application Number:	11371030
Application Number:	11398266
Application Number:	11484156
Application Number:	11491347
Application Number:	11497091
Application Number:	13446693
Application Number:	11510999
Application Number:	11529853
Application Number:	11595377
Application Number:	10204241
Application Number:	11590235
Application Number:	11810030
Application Number:	11803790
Application Number:	12598549
Application Number:	12163349
Application Number:	11961421
Application Number:	12933847
Application Number:	12579998
Application Number:	13127826
Application Number:	12941753
Application Number:	10481375
Application Number:	12953552
Application Number:	14492514
Application Number:	13215100
Application Number:	14006473
Application Number:	14386688
Application Number:	15037167
Application Number:	15124925
Application Number:	15507957
Application Number:	16213340
Application Number:	15520772
Application Number:	15543156
Application Number:	10415849
Application Number:	15548788
Application Number:	15099916
Application Number:	15132484

Property Type	Number
Application Number:	15569193
Application Number:	16079691
Application Number:	16474990
Application Number:	15686210
Application Number:	16635090
Application Number:	10571333
Application Number:	12851284
Application Number:	11012753
Application Number:	15809294
Application Number:	15881843
Application Number:	16762838
Application Number:	16770386
Application Number:	16855005
Application Number:	16928817
Application Number:	16955439
Application Number:	16963436
Application Number:	16356844
Application Number:	16375501
Application Number:	11259613
Application Number:	16963467
Application Number:	16972108
Application Number:	16981345
Application Number:	17275497
Application Number:	17275521
Application Number:	17278575
Application Number:	17292147
Application Number:	16356951
Application Number:	16356894
Application Number:	16356910
Application Number:	10967078
Application Number:	17419062
Application Number:	17435929
Application Number:	17442363
Application Number:	17601606
Application Number:	17601616
Application Number:	63273520

CORRESPONDENCE DATA

Fax Number: (864)233-7342

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: 8642711592

Email: usdocketing@dority-manning.com, choward@dority-manning.com

Correspondent Name: DORITY & MANNING P.A. AND TICONA LLC

Address Line 1: P.O. BOX 1449

Address Line 4: GREENVILLE, SOUTH CAROLINA 29602

ATTORNEY DOCKET NUMBER:	STEP 2 EXXON
NAME OF SUBMITTER:	ANAND K. PATEL
SIGNATURE:	/Anand K. Patel, Reg. No. 70,705/
DATE SIGNED:	02/25/2022

Total Attachments: 24

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This deed is dated 12.00 PM CST December 1, 2021 and entered into by and between:

1. **SANTOPRENE PRODUCTION PENSACOLA LLC**, a limited liability company organized under the laws of Delaware, having its principal office located at 222 W. Las Colinas Blvd., Suite 900N, Irving, Texas 75039, the United States of America and registered with Secretary of State of the State of Delaware under file number 6053966 (the “**Assignor**”);

and

2. **CELANESE INTERNATIONAL CORPORATION**, a corporation organized under the laws of the State of Delaware, United States of America, having its principal office located at 222 W. Las Colinas Blvd., Suite 900N, Irving, Texas 75039, the United States of America and registered with the Secretary of State of the State of Delaware under file number 2564470 (“**Assignee**”).

Assignor and Assignee are hereinafter also referred to, from time to time, as the “**Party**” and, jointly, as the “**Parties**”.

WHEREAS:

A. Parties concluded that certain intellectual property and technical information sale and assignment agreement having an effective date of 1 December 2021 at 12:00 PM CST (hereafter: the “**Assignment Agreement**”) Assignor assigned and transferred to Assignee the patent rights and patent applications listed in Annex 1 of this Deed (“**Patents and Patent Applications**”), the trademark rights and trademark applications as listed in Annex 2 of this Deed (“**Trademarks and Trademark Applications**”) and the domain names as listed in Annex 3 of this Deed (“**Domain Names**”);

B. In order to record and register the assignment (of the legal ownership) of the Patents and Patent Applications, the Trademarks and Trademark Applications and the Domain Names from Assignor to Assignee with the (registers of the) relevant patent offices, trademarks offices and domain names registrars, Parties wish to use this Deed to evidence the assignment (of the legal ownership) of the Patents and Patent Applications, the Trademarks and Trademark Applications and the Domain Names.

NOW THEREFORE. PARTIES AGREED AS FOLLOWS:

1 CONFIRMATION ASSIGNMENT PATENTS, TRADEMARKS AND DOMAIN NAMES

1.1 Parties hereby, individually and collectively, confirm that the Parties have concluded the Assignment Agreement pursuant to which Assignor assigned, Seller’s right, title and interest in and to the Patents and Patent Applications to Assignee with effectiveness as of 12.00 PM CST December 1, 2021.

1.2 Parties hereby, individually and collectively, confirm that the Parties have concluded the

Assignment Agreement pursuant to which Assignor assigned Seller's right, title and interest in and to the Trademarks and Trademark Applications, and all of the goodwill associated therewith, to Assignee with effectiveness as of 12.00 PM CST December 1, 2021.

- 1.3 Parties hereby, individually and collectively, confirm that the Parties have concluded the Assignment Agreement pursuant to which Assignor assigned Seller's right, title and interest in and to the Domain Names to Assignee with effectiveness as of 12.00 PM CST December 1, 2021.

2 CONSENT TO REGISTER THE ASSIGNMENT WITH PATENT, TRADEMARK AND DOMAINAN REGISTERS

- 2.1 Assignor hereby agrees that Assignee will record the assignment and transfer of Seller's right, title and interest in and to the Patents and Patent Applications with the relevant patent offices, including but not limited to the United States Patent and Trademark Office (USPTO), the European Patent Register (EPO) and the WIPO (PCT) Patent Register.

- 2.2 Assignor hereby agrees that Assignee will record the assignment and transfer of Seller's right, title and interest in and to the Trademarks and Trademark Applications with the relevant trademark offices, including but not limited to the United States Patent and Trademark Office (USPTO) and the European Intellectual Property Office (EUIPO).

- 2.3 Assignor hereby agrees that Assignee will record the assignment and transfer of Seller's right, title and interest in and to the Domain Names with the relevant domain name registrars.

- 2.4 Assignor hereby grants to Assignee a power of attorney to act on Assignor's behalf in order to do all that is necessary and required to register the change of ownership of the Patents and Patent Applications, the Trademark and Trademark Applications and the Domain Names with the relevant patent and trademark offices and domain name registrars, including but not limited to the European Patent Register (EPO), the WIPO (PCT) Patent Register, the United States Patent and Trademark Office (USPTO) and the European Intellectual Property Office (EUIPO).

3 DISPUTE RESOLUTION

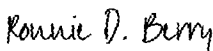
- 3.1 This Agreement will be governed by and construed in accordance with the laws of the State of Texas and the federal U.S. laws applicable therein, excluding its conflicts of law provisions. Licensor and Licensee agree to submit to the personal and non-exclusive jurisdiction of the state courts located in Harris County, Texas.

- 3.2 In any dispute arising under this Agreement, the prevailing Party shall recover reasonable attorney's fees, costs and expenses from the non-prevailing Party.

[signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed and delivered by their respective authorized representatives.

(i) SANTOPRENE PRODUCTION PENSACOLA LLC

DocuSigned by:

D2DD774CBB0645A

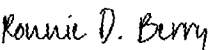
Signature

By: Ronnie D. Berry

Title: Vice President, Global Taxes

Date: December 1, 2021

(ii) CELANESE INTERNATIONAL CORPORATION

DocuSigned by:

D2DD774CBB0645A

Signature

By: Ronnie D. Berry

Title: Vice President, Global Taxes

Date: December 1, 2021

APPENDIX A

Ctry	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
000009548 - Thermoplastic Elastomers Having Improved Adhesive Properties								
CN	Granted	25-Jan-01	01804329.1	12-Feb-03	CN 1396941A	19-Jan-05	CN1185298C	24-Jan-21
DE	Granted	25-Jan-01	01903314.1	4-Dec-02	EP1261664	15-Sep-04	DE60105559	25-Jan-21
FR	Granted	25-Jan-01	01903314.1	4-Dec-02	EP1261664	15-Sep-04	EP1261664	25-Jan-21
JP	Granted	25-Jan-01	2001-561102	5-Aug-03	JP2003523473	12-Aug-11	JP4799793	25-Jan-21
US	Granted	11-Jul-02	10/181003	1-May-03	US2003-0083434	3-Jun-08	US7381771	11-Jul-22
000009555 - Thermoplastic Elastomers Having Improved Processing And Physical Property Balance								
DE	Granted	21-Dec-01	01130754.3	3-Jul-02	EP1219679	9-Feb-05	DE60108840	21-Dec-21
FR	Granted	21-Dec-01	01130754.3	3-Jul-02	EP1219679	9-Feb-05	EP1219679	21-Dec-21
GB	Granted	21-Dec-01	01130754.3	3-Jul-02	EP1219679	9-Feb-05	EP1219679	21-Dec-21
JP	Granted	28-Dec-01	2001-400447	9-Aug-02	JP2002220493	21-Aug-09	JP4362253	28-Dec-21
US	Granted	29-Dec-00	09/752080	12-Sep-02	US2002-0128390	17-Sep-02	US6451915	29-Dec-20
000009557 - Thermoplastic Elastomers Having Improved Low Temperature Properties								
US	Granted	23-Mar-01	10/204241	3-Jul-03	US2003-0125454	6-Sep-05	US6939918	23-Mar-21
000009578 - Thermoplastic Elastomers And Process For Making Same								
US	Granted	26-Dec-02	10/481375	2-Sep-04	US2004-0171758	11-Jan-11	US7868082	9-Apr-23
000009579 - Multicomponent Thermoset Structures								
US	Granted	1-May-03	10/415849	25-Mar-04	US2004-0059061	7-Mar-06	US7008699	12-May-23
000009600 - Improved Thermoplastic Vulcanizates And Processes For Making The Same								
DE	Granted	17-Sep-04	04/788821.9	7-Jun-06	EP1664189	18-Nov-09	DE602004024215	17-Sep-24
FR	Granted	17-Sep-04	04/788821.9	7-Jun-06	EP1664189	18-Nov-09	EP1664189	17-Sep-24
GB	Granted	17-Sep-04	04/788821.9	7-Jun-06	EP1664189	18-Nov-09	EP1664189	17-Sep-24

Ctry	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
NL	Granted	17-Sep-04	04788821.9	7-Jun-06	EP1664189	18-Nov-09	EP1664189	17-Sep-24
US	Granted	17-Sep-04	10/571333	22-Feb-07	US2007-0043172	11-Jan-11	US7868096	21-Dec-26
US	Granted	5-Aug-10	12/851284	23-Dec-10	US2010-0324161	29-Mar-16	US9296885	6-Oct-25
000009602 - Soft Thermoplastic Elastomers								
US	Granted	15-Dec-04	11/012753	15-Dec-05	US2005-0277735	2-Oct-07	US7276559	23-Jan-26
000009617 - Soft Thermoplastic Vulcanizates From Very Low Density Polyethylene Copolymers								
US	Granted	26-Oct-05	11/259613	11-May-06	US2006-0100381	25-May-10	US7723437	28-Jul-27
000009620 - Corner Molding Compositions For Automotive Sealant Systems								
DE	Granted	12-Oct-05	05109454.8	19-Apr-06	EP1647573	25-Mar-09	DE602005013464	12-Oct-25
FR	Granted	12-Oct-05	05109454.8	19-Apr-06	EP1647573	25-Mar-09	EP1647573	12-Oct-25
GB	Granted	12-Oct-05	05109454.8	19-Apr-06	EP1647573	25-Mar-09	EP1647573	12-Oct-25
IT	Granted	12-Oct-05	05109454.8	19-Apr-06	EP1647573	25-Mar-09	EP1647573	12-Oct-25
JP	Granted	7-Oct-05	2005-294497	22-Jun-06	JP2006161028	11-May-12	JP4988182	7-Oct-25
US	Granted	15-Oct-04	10/967078	20-Apr-06	US2006-0084762	5-Feb-08	US7326471	26-Aug-25
000009621 - Soft Thermoplastic Vulcanizate Compositions								
US	Granted	15-Dec-04	11/012752	15-Dec-05	US2005-0277738	13-Nov-07	US7294675	26-Jan-26
000009623/A - Thermoplastic Vulcanizates Having Improved Fabricability								
DE	Granted	4-Nov-05	05110361.2	10-May-06	EP1655332	31-Dec-08	DE602005012039	4-Nov-25
FR	Granted	4-Nov-05	05110361.2	10-May-06	EP1655332	31-Dec-08	EP1655332	4-Nov-25
GB	Granted	4-Nov-05	05110361.2	10-May-06	EP1655332	31-Dec-08	EP1655332	4-Nov-25
US	Granted	14-Oct-05	11/251516	11-May-06	US2006-0100347	9-Nov-10	US7829623	20-Jun-27
000009625 - Thermoplastic Elastomers Containing High Inorganic Filler With Outstanding Mechanical Properties / High Strength Thermoplastic Elastomers With High Filler Loading								
DE	Granted	4-Nov-05	602005000813.6	10-May-06	EP1655331	4-Apr-07	DE602005000813	4-Nov-25

Ctry	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
FR	Granted	4-Nov-05	05110359.6	10-May-06	EP1655331	4-Apr-07	EP1655331	4-Nov-25
US	Granted	5-Nov-04	10/982194	11-May-06	US20060100377	21-Jun-11	US7964672	23-Mar-25
000009636 - Slip-Coat Compositions and Polymeric Laminates								
DE	Granted	6-Sep-05	05794359.9	30-Mar-06	EP1793998	16-Apr-08	DE602005006143	6-Sep-25
FR	Granted	6-Sep-05	05794359.9	30-Mar-06	EP1793998	16-Apr-08	EP1793998	6-Sep-25
GB	Granted	6-Sep-05	05794359.9	30-Mar-06	EP1793998	16-Apr-08	EP1793998	6-Sep-25
JP	Granted	6-Sep-05	2007-532365	1-May-08	JP2008-513251	26-Mar-10	JP4482033	6-Sep-25
US	Granted	15-Sep-04	10/943307	16-Mar-06	US2006-0057412	20-Mar-07	US7193018	9-Sep-25
000009640 - Thermoplastic Vulcanizates With Enhanced Cooling And Articles Made Therefrom								
FR	Granted	12-Jul-05	05106340.2	25-Jan-06	EP1619218	6-May-08	EP1619218	12-Jul-25
GB	Granted	12-Jul-05	05106340.2	25-Jan-06	EP1619218	6-May-08	EP1619218	12-Jul-25
000009649 - Thermoplastic Elastomers Having Improved Adhesive Properties								
DE	Granted	13-Dec-05	05112032.7	21-Jun-06	EP1672046	15-May-13	EP1672046	13-Dec-25
FR	Granted	13-Dec-05	05112032.7	21-Jun-06	EP1672046	15-May-13	EP1672046	13-Dec-25
US	Granted	22-Mar-05	11/086093	22-Jun-06	US2006-0135693	2-Mar-10	US7671130	1-Aug-25
000009551/9556A - Thermoplastic Elastomers Having Improved Set And Foams Made Therefrom								
US	Granted	26-Jan-01	09/771044	16-Jan-03		13-Aug-02	US6433090	26-Jan-21
US	Granted	12-Jun-02	10/171177	16-Jan-03	US2003-0013813	7-Jan-03	US6503985	26-Jan-21
000009569/9655 - Manufacturing Of Shaped Coolant Hoses								
US	Granted	30-Aug-04	10/569328	12-Mar-09	US2009-0065971	13-Sep-11	US8017053	29-Mar-26
2005S023 - Thermoplastic Vulcanizates and Their Use								
US	Granted	4-Feb-05	11/051934	10-Aug-06	US2006-0178478	13-Dec-11	US8076416	26-Jan-26

Ctry	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
2005S030 - Tubular Free-Shaped Article								
US	Granted	15-Feb-06	11/354637	24-Aug-06	US2006-0186583	18-Feb-14	US8652377	18-Jun-28
2005S042 - Process for Pipe Seal Manufacture								
US	Granted	5-Apr-05	11/099944	5-Oct-06	US2006-0220272	31-May-11	US7951316	27-Aug-28
2005S045 - Process for Preparing Thermoplastic Elastomers by Dynamic Vulcanization								
CN	Granted	24-Apr-06	200680023031.2	25-Jun-08	CN101208187A	8-Jan-14	CN101208187B	23-Apr-26
GB	Granted	24-Apr-06	06751067.7	4-Jan-07	EP1907188	31-Oct-12	EP1907188	24-Apr-26
JP	Granted	24-Apr-06	2008-519274	4-Dec-08	JP2008-544075	5-Oct-12	JP5103391	24-Apr-26
US	Granted	27-Jun-05	11/167480	28-Dec-06	US2006-0293458	24-Nov-09	US7622528	5-May-26
2005S046 - Preparation of Thermoplastic Elastomers by Dynamic Vulcanization in Multi-Screw Extruders								
BE	Granted	24-Apr-06	06751456.2	4-Jan-07	EP1899138	18-Jul-18	EP1899138	24-Apr-26
DE	Granted	24-Apr-06	06751456.2	4-Jan-07	EP1899138	18-Jul-18	EP1899138	24-Apr-26
GB	Granted	24-Apr-06	06751456.2	4-Jan-07	EP1899138	18-Jul-18	EP1899138	24-Apr-26
JP	Granted	24-Apr-06	2008-519280	25-Dec-08	JP2008-546575	25-May-12	JP5002593	24-Apr-26
US	Granted	27-Jun-05	11/167339	28-Dec-06	US2006-0293457	2-Feb-10	US7655728	27-Jul-26
2005S046A - Dynamic Vulcanization Process For Preparing Thermoplastic Elastomers								
BE	Granted	24-Apr-06	06751074.3	4-Jan-07	EP1896540	10-Aug-16	EP1896540	24-Apr-26
DE	Granted	24-Apr-06	06751074.3	4-Jan-07	EP1896540	10-Aug-16	EP1896540	24-Apr-26
FR	Granted	24-Apr-06	06751074.3	4-Jan-07	EP1896540	10-Aug-16	EP1896540	24-Apr-26
GB	Granted	24-Apr-06	06751074.3	4-Jan-07	EP1896540	10-Aug-16	EP1896540	24-Apr-26
JP	Granted	24-Apr-06	2008-519275	4-Dec-08	JP2008-544076	1-Nov-13	JP5401094	24-Apr-26
US	Granted	15-Mar-06	11/375737	28-Dec-06	US2006-0293454	18-Feb-14	US8653170	21-Sep-27

Crty	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
2005S047 - Thermoplastic Vulcanizates and Sealing Devices Made Therewith								
US	Granted	1-Jul-05	11/173033	4-Jan-07	US2007-000926	22-Mar-11	US7909194	29-Jan-27
2005S048 - Peroxide-Cured Thermoplastic Vulcanizates and Process for Making the Same								
US	Granted	7-Oct-05	11/246773	12-Apr-07	US2007-0083008	18-Jan-11	US7872075	9-Mar-27
2005S049 - Microcellular Foams of Thermoplastic Vulcanizates								
US	Granted	7-Oct-05	11/246772	12-Apr-07	US2007-0083007	15-Jan-08	US7319121	4-Aug-26
2005S053 - Thermoplastic Vulcanizate Adhesive Compositions								
US	Granted	9-Dec-05	11/297936	14-Jun-07	US2007-0134497	1-May-12	US8168718	16-Nov-28
2005S055 - Peroxide Cured Thermoplastic Vulcanizates and Medical Devices Made Therewith								
US	Granted	19-Dec-05	11/311491	21-Jun-07	US2007-0142554	12-Oct-10	US7812093	6-Aug-27
2006B030 - Use Of Metal Oxides And Salts To Enhance Adhesion To Steels								
US	Granted	8-Mar-06	11/371030	13-Sep-07	US2007-0213461	12-Jan-10	US7645832	26-May-27
2006B051 - Thermoplastic Vulcanizates Including Nanoclays And Processes For Making The Same								
US	Granted	5-Apr-06	11/398266	11-Oct-07	US2007-0238810	18-Oct-11	US8039526	14-Feb-28
2006EM019 - Method For Improving Extrusion Surface Smoothness In Thermoplastic Vulcanizates								
US	Granted	11-Jul-06	11/484156	17-Jan-08	US2008-0015313	1-Dec-09	US7625980	10-Nov-27
2006EM028 - Thermoplastic Vulcanizates Having Improved Adhesion To Polar Substrates								
US	Granted	21-Jul-06	11/491347	24-Jan-08	US2008-0021159	6-Dec-11	US8071220	23-May-27
2006EM039 - Thermoplastic Vulcanizate Composition								
DE	Granted	19-Jun-07	07809682.3	7-Feb-08	EP2049589	20-Apr-11	DE602007014053	19-Jun-27
FR	Granted	19-Jun-07	07809682.3	7-Feb-08	EP2049589	20-Apr-11	EP2049589	19-Jun-27
GB	Granted	19-Jun-07	07809682.3	7-Feb-08	EP2049589	20-Apr-11	EP2049589	19-Jun-27
US	Granted	1-Aug-06	11/497091	7-Feb-08	US2008-0033089	15-May-12	US8178625	3-Nov-29

Crty	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
US	Granted	13-Apr-12	13/446693	25-Apr-13	US2013-0102721	18-Feb-14	US8653197	1-Aug-26
2006EM073 - Thermoplastic Vulcanizates With Advantageous Adhesion To Polar Substrates								
DE	Granted	19-Jun-07	07809681.5	6-Mar-08	EP2061843	11-May-11	EP2061843	19-Jun-27
FR	Granted	19-Jun-07	07809681.5	6-Mar-08	EP2061843	11-May-11	EP2061843	19-Jun-27
US	Granted	28-Aug-06	11/510999	28-Feb-08	US2008-0051516	7-Sep-10	US7790809	9-Feb-29
2006EM123 - Thermoplastic Elastomer Compositions, Methods Of Making And Articles Made From The Same								
DE	Granted	7-Aug-07	07813847.6	3-Apr-08	EP2066745	11-Apr-12	EP2066745	7-Aug-27
FR	Granted	7-Aug-07	07813847.6	3-Apr-08	EP2066745	11-Apr-12	EP2066745	7-Aug-27
US	Granted	29-Sep-06	11/529853	3-Apr-08	US2008-0081869	26-Jun-12	US8207270	22-Jan-28
2006EM153 - Curing Rubber by Hydroslatation								
DE	Granted	17-Sep-07	07814894.7	22-May-08	EP2079797	7-Nov-12	EP2079797	17-Sep-27
FR	Granted	17-Sep-07	07814894.7	22-May-08	EP2079797	7-Nov-12	EP2079797	17-Sep-27
JP	Granted	17-Sep-07	2009-532491	4-Mar-10	JP2010-506972	3-Aug-12	JP5051926	17-Sep-27
US	Granted	10-Nov-06	11/595377	15-May-08	US2008-0114126	31-May-11	US7951871	18-May-29
2006EM155 - Adhesive Thermoplastic Vulcanizates								
US	Granted	31-Oct-06	11/590235	1-May-08	US2008-0103244	15-Oct-13	US8557393	23-Dec-29
2007EM128 - Composite Thermoplastic Elastomer Structures With High Adhesion Performance And Uses For The Same								
US	Granted	4-Jun-07	11/810030	4-Dec-08	US2008-0299397	14-Aug-12	US8241753	25-Mar-28
2007EM144 - Thermoplastic Elastomer Compositions, Methods for Making the Same, and Articles made Therefrom								
US	Granted	16-May-07	11/803790	20-Nov-08	US2008-0287888	16-Jul-13	US8487033	17-Sep-30
2007EM159 - Thermoplastic Polymer Compositions, Methods for Making the Same, and Articles made Therefrom								
US	Granted	14-Apr-08	12/598549	3-Jun-10	US2010-0137521	24-Feb-15	US8962762	27-Jan-30

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2007EM205 - Peroxide-Cured Thermoplastic Vulcanizates Prepared With Ultrahigh Molecular Weight Plastics								
US	Granted	27-Jun-08	12/163349	12-Feb-09	US2009-0043048	30-Sep-14	US8846815	18-Feb-30
2007EM374 - Fiber-Reinforced Thermoplastic Vulcanizates								
US	Granted	20-Dec-07	11/961421	25-Jun-09	US2009-0163665	20-Oct-09	US7605210	20-Dec-27
2008EM082 - Thermoplastic Vulcanizates								
US	Granted	31-Mar-08	12/933847	12-May-11	US2011-0112238	12-Jan-16	US9234093	4-Nov-28
2008EM296 - Process For Forming Thermoplastic Vulcanizates And Extruded Articles Therefrom								
US	Granted	15-Oct-09	12/579998	6-May-10	US2010-0113694	4-Nov-14	US8877867	9-Jan-32
2008EM351 - Peroxide Cured PPV								
US	Granted	5-Nov-09	13/127826	10-Nov-11	US2011-0275764	3-Mar-15	US8969481	18-Dec-30
2009EM275 - Thermoset Compositions with Dispersed Thermoplastic Resin Therein and Process for Making Them								
US	Granted	8-Nov-10	12/941753	26-May-11	US2011-0124814	21-Aug-12	US8247494	8-Nov-30
2009EM343 - Process for Forming Thermoplastic Vulcanizates								
CN	Granted	24-Nov-10	201080059908.X	5-Dec-12	CN102812080A	23-Sep-15	CN102812080B	23-Nov-30
CN	Granted	24-Nov-10	201510498423.5	23-Dec-15	CN105175904A	12-Dec-17	CN105175904B	23-Nov-30
DE	Granted	24-Nov-10	10785565.2	7-Jul-11	EP2519581	4-Mar-15	EP2519581	24-Nov-30
FR	Granted	24-Nov-10	10785565.2	7-Jul-11	EP2519581	4-Mar-15	EP2519581	24-Nov-30
GB	Granted	24-Nov-10	10785565.2	7-Jul-11	EP2519581	4-Mar-15	EP2519581	24-Nov-30
JP	Granted	24-Nov-10	2012-547083	9-May-13	JP2013-515836	30-May-14	JP5552544	24-Nov-30
US	Granted	24-Nov-10	12/953552	30-Jun-11	US2011-0160402	21-Oct-14	US8865838	24-Nov-30
US	Granted	22-Sep-14	14/492514	8-Jan-15	US2015-0011679	23-Aug-16	US9422408	24-Nov-30
2010EM257 - Weatherable and Flame-Resistant Thermoplastic Vulcanizates and Methods for Making Them								
BE	Granted	22-Aug-11	11750050.4	8-Mar-12	EP2611863	5-Apr-17	EP2611863	22-Aug-31

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CN	Pending	22-Aug-11	201610626250.5	28-Dec-16	CN106243473A			
DE	Granted	22-Aug-11	11750050.4	8-Mar-12	EP2611863	5-Apr-17	EP2611863	22-Aug-31
GB	Granted	22-Aug-11	11750050.4	8-Mar-12	EP2611863	5-Apr-17	EP2611863	22-Aug-31
JP	Granted	22-Aug-11	2013-527112	26-Sep-13	JP2013-536889	10-Jul-15	JP5774703	22-Aug-31
US	Granted	22-Aug-11	13/215100	8-Mar-12	US2012-0059105	14-Apr-15	US9006332	14-Feb-33
2011EM073 - Die and Process for Extrusion								
US	Granted	15-Apr-11	14/006473	17-Apr-14	US2014-0106128	12-Jul-16	US9387620	20-Jan-32
2011EM306 - Composition, Foam, and Article Made Therefrom								
CN	Pending	13-Jun-18	201810604124.9	30-Nov-18	CN108912381A			
JP	Granted	14-Sep-12	2014-538794	20-Nov-14	JP2014-530950	1-Jul-16	JP5958778	14-Sep-32
2012EM116 - Compositions and Methods for Making Them								
BE	Granted	24-Apr-13	13721207.2	14-Nov-13	EP2847265	25-May-16	EP2847265	24-Apr-33
CN	Granted	24-Apr-13	201380024080.8	28-Jan-15	CN104321378A	7-Sep-16	CN104321378B	23-Apr-33
DE	Granted	24-Apr-13	13721207.2	14-Nov-13	EP2847265	25-May-16	EP2847265	24-Apr-33
FR	Granted	24-Apr-13	13721207.2	14-Nov-13	EP2847265	25-May-16	EP2847265	24-Apr-33
GB	Granted	24-Apr-13	13721207.2	14-Nov-13	EP2847265	25-May-16	EP2847265	24-Apr-33
JP	Granted	24-Apr-13	2015-511499	27-Jul-15	JP2015-521223	15-Jul-16	JP5966220	24-Apr-33
US	Granted	24-Apr-13	14/386688	26-Feb-15	US2015-0056457	23-Apr-19	US10266683	14-Jul-33
2013EM360 - Compositions Comprising Thermoplastic Vulcanizate, Foamed Material and Articles Made Therefrom								
BE	Granted	24-Dec-13	13900185.3	2-Jul-15	EP3087133	15-Jan-20	EP3087133	24-Dec-33
CN	Granted	24-Dec-13	201380081812.7	22-Feb-17	CN106459535A	28-Aug-20	CN106459535B	23-Dec-33
DE	Granted	24-Dec-13	13900185.3	2-Jul-15	EP3087133	15-Jan-20	EP3087133	24-Dec-33
FR	Granted	24-Dec-13	13900185.3	2-Jul-15	EP3087133	15-Jan-20	EP3087133	24-Dec-33

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GB	Granted	24-Dec-13	13900185.3	2-Jul-15	EP3087133	15-Jan-20	EP3087133	23-Dec-33
JP	Granted	24-Dec-13	2016-542759	5-Jan-17	JP2017-500423	27-Jul-18	JP6374003	24-Dec-33
KR	Granted	24-Dec-13	2016-7016751	2-Jul-15	KR20160090854A	5-Mar-18	KR10-1837328	24-Dec-33
US	Granted	24-Dec-13	15/037167	6-Oct-16	US2016-0289410	21-Nov-17	US9822231	30-Dec-37
2014EM112 - Thermoplastic Vulcanizates and Method of Making the Same								
US	Granted	9-Apr-15	15/124925	26-Jan-17	US2017-0022332	26-Mar-19	US10240008	9-Apr-35
2014EM297 - Thermoplastic Vulcanizate Compositions								
CN	Granted	3-Sep-15	201580056491.4	18-Aug-17	CN107075210A	9-Jun-20	CN107075210B	2-Sep-35
EP	Allowed	3-Sep-15	15777757.4	28-Apr-16	EP3209724			
JP	Granted	3-Sep-15	2017-522186	26-Oct-17	JP2017-531727	22-Mar-19	JP6498760	3-Sep-35
US	Granted	3-Sep-15	15/507957	12-Oct-17	US2017-0292016	5-Feb-19	US10196508	3-Sep-35
US	Granted	7-Dec-18	16/213340	11-Apr-19	US2019-0106560	17-Dec-19	US10508197	3-Sep-35
2014EM338 - Method of Making Thermoplastic Vulcanizates and Thermoplastic Vulcanizates Made Therefrom								
US	Granted	25-Nov-14	15/520772	23-Aug-18	US2018-0237597	17-Sep-19	US10414881	1-Dec-34
2015EM043 - Process for Forming Thermoplastic Vulcanizates and Thermoplastic Vulcanizates Made Therefrom								
US	Granted	10-Dec-15	15/543156	11-Jan-18	US2018-0009135	4-Aug-20	US10730206	30-Nov-36
2015EM083 - Method of Making Thermoplastic Vulcanizates and Thermoplastic Vulcanizates Made Therefrom								
CN	Granted	15-Dec-15	201580078082.4	1-Dec-17	CN107429019A	25-Sep-20	CN107429019B	14-Dec-35
DE	Granted	15-Dec-15	15828582.5	6-Oct-16	EP3265506	21-Apr-21	EP3265506	15-Dec-35
GB	Granted	15-Dec-15	15828582.5	6-Oct-16	EP3265506	21-Apr-21	EP3265506	15-Dec-35
JP	Granted	15-Dec-15	2017-551281	26-Apr-18	JP2018-511682	31-May-19	JP6533592	15-Dec-35
US	Granted	15-Dec-15	15/548788	1-Feb-18	US2018-0030219	21-May-19	US10294338	15-Dec-35

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2015EM108 - Thermoplastic Vulcanizates Comprising Propylene-Based Elastomers and Methods for Making the Same								
CN	Granted	15-Apr-16	201680031082.3	16-Feb-18	CN107709447A	8-Sep-20	CN107709447B	14-Apr-36
TW	Granted	18-Apr-16	105112005	11-Jun-17	TW201708325	11-Jun-17	TW1586718	17-Apr-36
US	Granted	15-Apr-16	15/099916	24-Nov-16	US2016-0340480	7-May-19	US10279527	8-Feb-37
2015EM109 - Thermoplastic Vulcanizates Comprising Broad Molecular Weight Distribution Polypropylene								
CN	Pending	19-Apr-16	201680018770.6	1-Dec-17	CN107429021A			
JP	Granted	19-Apr-16	2017-561959	21-Jun-18	JP2018-516298	7-May-20	JP6700313	19-Apr-36
TW	Granted	27-Apr-16	105113136	1-Mar-17	TW201708356	21-Oct-17	TW1602869	26-Apr-36
US	Granted	19-Apr-16	15/132484	1-Dec-16	US2016-0347946	18-Jun-19	US10323140	19-Apr-36
2015EM153 - Thermoplastic Elastomer Compositions Comprising Ultrahigh Molecular Weight Polyethylene and Methods for Making the Same								
CN	Pending	13-May-16	201680034346.0	16-Mar-18	CN107810232A			
EP	Pending	13-May-16	16726707.9	28-Feb-18	EP3286262			
JP	Allowed	13-May-16	2017-565730	5-Jul-18	JP2018-517832			
TW	Granted	23-May-16	105115999	1-May-17	TW201714943	11-Dec-17	TW1608044	22-May-36
US	Granted	13-May-16	15/569193	12-Apr-18	US2018-0100061	14-Sep-21	US11118041	20-Jun-37
2016EM001 - Thermoplastic Vulcanizate Compositions, Articles Made Therefrom, and Methods for Making Thereof								
CN	Granted	14-Nov-16	201680077042.2	31-Aug-18	CN108473715A	30-Mar-21	CN108473715B	13-Nov-36
GB	Granted	14-Nov-16	16816462.2	13-Jul-17	EP3400261	29-Jul-20	EP3400261	14-Nov-36
NL	Granted	14-Nov-16	16816462.3	13-Jul-17	EP3400261	29-Jul-20	EP3400261	14-Nov-36
2016EM070 - Thermoplastic Vulcanizate Compositions for Photovoltaic Cell Applications								
CN	Pending	9-Feb-17	201780020819.6	28-Dec-18	CN109104881A			
EP	Pending	9-Feb-17	17705546.4	5-Oct-17	EP3437143			
US	Granted	9-Feb-17	16/079691	7-Mar-19	US2019-0074394	29-Sep-20	US10790404	9-Feb-37

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2016EM071 - Photovoltaic Module Back Sheets Comprising Thermoplastic Vulcanizate Compositions								
CN	Pending	9-Feb-17	201780020820.9	1-Jan-19	CN109121462A			
EP	Pending	9-Feb-17	17705547.2	5-Oct-17	EP3437186			
JP	Granted	9-Feb-17	2018-551432	25-Apr-19	JP2019-511896	10-Jun-20	JP6715346	9-Feb-37
2016EM217 - Shrinkable Thermoplastic Vulcanizate and Method and Article								
US	Allowed	1-Aug-17	16/334107	22-Aug-19	US2019-0256746			
2016EM294 - Use of Masterbatches in the Production of Thermoplastic Vulcanizates								
US	Granted	25-Aug-17	15/686210	6-Apr-18	US2018-0112044	22-Oct-19	US10450427	17-Sep-37
2016EM324 - Thermoplastic Vulcanizates for Foaming Applications								
CN	Pending	10-Nov-17	201780085596.1	27-Sep-19	CN110291143A			
DE	Granted	10-Nov-17	17818336.4	5-Jul-18	EP3562871	17-Feb-21	EP3562871	10-Nov-37
FR	Granted	10-Nov-17	17818336.4	5-Jul-18	EP3562871	17-Feb-21	EP3562871	10-Nov-37
GB	Granted	10-Nov-17	17818336.4	5-Jul-18	EP3562871	17-Feb-21	EP3562871	10-Nov-37
US	Allowed	10-Nov-17	16/474990	24-Oct-19	US2019-0322831			
2016EM327 - Foaming Agent Masterbatches for Foaming Thermoplastic Vulcanizates								
US	Granted	10-Nov-17	15/809294	5-Jul-18	US2018-0186961	17-Dec-19	US10508184	15-Mar-38
2017EM037 - Thermoplastic Vulcanizate Prepared with Oil-Extended, Bimodal Metalocene-Synthesized EPDM								
CN	Pending	29-Jan-18	201880025196.6	29-Nov-19	CN110520471A			
EP	Pending	29-Jan-18	18704734.5	7-Sep-18	EP3589693			
US	Granted	29-Jan-18	15/881843	30-Aug-18	US2018-0244869	17-Dec-19	US10508179	30-Jun-38
2017EM280 - Methods of Making Thermoplastic Vulcanizates								
CN	Revivable	29-Jun-18	201880056139.4	17-Apr-20	CN111032301A			
US	Pending	29-Jun-18	16/635090	6-Aug-20	US2020-0247009			

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2017EM365 - Thermoplastic Vulcanizates and Compositions Thereof								
CN	Pending	21-Sep-18	201880081511.7	31-Jul-20	CN111479873A			
EP	Pending	21-Sep-18	18780290.5	16-Sep-20	EP3707205			
US	Pending	21-Sep-18	16/762838	29-Apr-21	US2021-0122908			
2017EM404 - Low Density Foamed Thermoplastic Vulcanizate Compositions								
CN	Pending	2-Nov-18	201880086960.0	1-Sep-20	CN111615535A			
EP	Pending	2-Nov-18	18812429.1	14-Oct-20	EP3720907			
US	Pending	2-Nov-18	16/770386	3-Dec-20	US2020-0377709			
2017EM424A - Thermoplastic Vulcanizate Conduits for Transporting Hydrocarbon Fluids								
CN	Pending	14-Sep-18	201880088134.X	11-Sep-20	CN111655782A			
EP	Pending	14-Sep-18	18786083.8	28-Oct-20	EP3728458			
US	Pending	14-Sep-18	16/955439	5-Nov-20	US2020-0347209			
2018EM011 - Thermoplastic Vulcanizates								
CN	Pending	7-Dec-18	201880090293	9-Oct-20	CN111757909A			
EP	Pending	7-Dec-18	18829636.2	25-Nov-20	EP3740532			
US	Pending	7-Dec-18	16/963436	11-Feb-21	US2021-0040299			
2018EM013 - Thermoplastic Vulcanizates								
CN	Pending	7-Dec-18	201880090274	16-Oct-20	CN111788263A			
EP	Pending	7-Dec-18	18829619.8	25-Nov-20	EP3740531			
US	Pending	7-Dec-18	16/963467	19-Nov-20	US2020-0362148			
2018EM063 - Compatibilized Thermoplastic Vulcanizate Compositions								
CN	Pending	18-Mar-19	201980031996	25-Dec-20	CN112135875A			
EP	Pending	18-Mar-19	19782271.1	17-Feb-21	EP3775034			

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US	Granted	18-Mar-19	16/356844	10-Oct-19	US2019-0309151	12-Oct-21	US11142605	18-Mar-39
2018EM064 - Crosslinked Rubber Dispersion in Thermoplastic Vulcanizates								
CN	Pending	4-Apr-19	201980031993	25-Dec-20	CN112135723A			
EP	Pending	4-Apr-19	19781944.4	17-Feb-21	EP3774256			
US	Granted	4-Apr-19	16/375501	10-Oct-19	US2019-0309154	13-Apr-21	US10975234	29-Apr-39
2018EM095 - Thermoplastic Vulcanizate Compositions								
CN	Pending	29-Mar-19	201980023239	10-Nov-20	CN111918920A			
EP	Pending	29-Mar-19	19722275.5	17-Feb-21	EP3775035			
US	Pending	29-Mar-19	16/981345	11-Feb-21	US2021-0040300			
2018EM096 - Foamed Thermoplastic Vulcanizate and Methods Related Thereto								
US	Pending	4-Dec-20	16/972108	22-Jul-21	US2021-0221973			
2018EM258 - Thermoplastic Vulcanizate Compositions in Polymeric Inner / Pressure Sheaths of Flexible Pipes for Oil & Gas Applications								
CN	Pending	9-Sep-19	201980073899	15-Jun-21	CN112969574A			
EP	Pending	9-Sep-19	19786687.4	21-Jul-21	EP3849791			
US	Pending	9-Sep-19	17/275497	19-Mar-20	WO2020/055704			
2018EM259 - Thermoplastic Vulcanizate Compositions Their Preparation and Use in Flexible Tubular Pipes								
CN	Pending	9-Sep-19	201980073893.3	18-Jun-21	CN112997033A			
EP	Pending	9-Sep-19	19769971.3	21-Jul-21	EP3850255			
US	Pending	9-Sep-19	17/275521	19-Mar-20	WO2020/055709			
2018EM276 - Crosslinked Elastomer-Polymer Blends								
CN	Pending	10-Sep-19	201980077136.3	23-Jul-21	CN113166499A			
EP	Pending	10-Sep-19	19783761.0	4-Aug-21	EP3856835			
US	Pending	10-Sep-19	17/278575	2-Apr-20	WO2020/068409			

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2018EM296 - Thermoplastic Vulcanizate Compositions Comprising Encapsulated Stannous Chloride								
CN	Pending	6-Nov-19	201980085846.0	6-Aug-21	CN113227220A			
EP	Pending	6-Nov-19	19842431.9	22-Sep-21	EP3880736			
US	Pending	6-Nov-19	177292147	22-May-20	WO2020/101961			
2019EM007 - Foam Thermoplastic Vulcanizate Pellet Compositions, Methods, and Articles Related Thereto								
CN	Pending	13-Jan-20	2020800009031.7	24-Aug-21	CN113302231A			
EP	Pending	13-Jan-20	20704692.1	23-Jul-20	EP 3911695			
US	Pending	13-Jan-20	177419062	23-Jul-20	WO2020/150119			
2019EM076 - Thermoplastic Vulcanizate Compositions								
CN	Pending	18-Mar-19	201980031991.0	25-Dec-20	CN112135863A			
EP	Pending	18-Mar-19	19782022.8	17-Feb-21	EP3775003			
US	Granted	18-Mar-19	163556951	10-Oct-19	US2019-0309153	23-Feb-21	US10927207	7-May-39
2019EM080 - Compatibilized Thermoplastic Vulcanizate Compositions								
US	Granted	18-Mar-19	163556894	10-Oct-19	US2019-0309152	16-Nov-21	US11174332	18-Mar-39
2019EM081 - Thermoplastic Vulcanizates and Compositions Therefrom								
US	Granted	18-Mar-19	163556910	10-Oct-19	US2019-0309115	25-May-21	US11015008	18-Mar-39
2019EM090 - Pipe Including a Thermoplastic Vulcanizate Composition								
CN	Pending	23-Mar-20	PCT/US2020/024168	24-Sep-20	WO2020/191393			
EP	Pending	23-Mar-20	20720198.9	24-Sep-20	WO2020/191393			
US	Pending	21-Mar-19	177435929	24-Sep-20	WO2020/191393			
2019EM130 - Method for Improving UV Weatherability of Thermoplastic Vulcanizates								
CN	Pending	17-Apr-20	202080029062.9	22-Oct-20	WO2020/214958			
EP	Pending	17-Apr-20	20724676.0	22-Oct-20	WO2020/214958			

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US	Pending	17-Apr-20	17/442363	22-Oct-20	WO2020/214958			
2019EM140 - Solid Resin Plasticizers for Thermoplastic Vulcanizates								
US	Pending	22-Apr-20	16/855005	29-Oct-20	US2020-0339788			
2019EM206 - Automotive Weather Seals Formed with Thermoplastic Vulcanizate Compositions								
CN	Pending	12-Jun-20	PCT/US2020/037476	17-Dec-20	WO2020/252293			
EP	Pending	12-Jun-20	20751774.9	17-Dec-20	WO2020/252293			
US	Pending	12-Jun-20	17/601606	17-Dec-20	WO2020/252293			
2019EM209 - Thermoplastic Vulcanizate Compositions								
CN	Pending	19-Jun-20	PCT/US2020/038702	24-Dec-20	WO2020/257630			
EP	Pending	19-Jun-20	20737770.6	24-Dec-20	WO2020/257630			
JP	Pending	19-Jun-20	PCT/US2020/038702	24-Dec-20	WO2020/257630			
US	Pending	19-Jun-20	17/601606	24-Dec-20	WO2020/257630			
2019EM248 - Thermoplastic Vulcanizate Compositions with Bi-Continuous Nanostructured Morphology								
US	Pending	14-Jul-20	16/928817	21-Jan-21	US2021-0017361			
2019EM341 - Propylene-Rich Thermoplastic Vulcanizate Compositions and Articles								
PCT	Pending	26-Aug-20	PCT/US2020/047859	11-Mar-21	WO2021/045936			
2019EM346 - Thermoplastic Vulcanizate Compositions and Thermoplastic Olefinic Compositions as Insulating Layers in Non-Flexible Pipes								
PCT	Pending	14-Aug-20	PCT/US2020/046290	4-Mar-21	WO2021/041051			
2019EM436 - Thermoplastic Vulcanizate Compositions and Processes for the Production Thereof								
PCT	Pending	13-Oct-20	PCT/US2020/055325	29-Apr-21	WO2021/080813			

City	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
2020EM123 - Thermoplastic Elastomer Compositions Their Preparation and Use in Fiber-Reinforced Spoolable Pipes								
PCT	Pending	16-Mar-21	PCT/US2021/022549	23-Sept-2021	WO2021/188528			
2020EM185 - Pipe Including a Polymethylpentene Thermoplastic Polymer								
PCT	Pending	26-Apr-21	PCT/2021/029090					
2020EM198 - Thermoplastic Elastomer Compositions for Use in Pharmaceutical Articles								
PCT	Filed	11-May-21	PCT/US2021/031689					
2020EM248 - Thermoplastic Vulcanizate Compositions Containing Metallocene Multimodal Copolymer Rubber and Processes for Making Same								
PCT	Filed	17-May-21	PCT/US2021/032738					
2020EM342 - Thermoplastic Vulcanizate Compositions and Articles Containing the Same								
PCT	Pending	23-Sept-21	PCT/US2021/051696					
2020EM384 - Extrusion Molded Thermoplastic Vulcanizate Gaskets and Methods of Making Such Gaskets								
PCT	Pending	23-Sept-21	PCT/US2021/051713					
2021EM035 - Thermoplastic Vulcanizate Compositions including Cyclic Olefin Copolymers								
PCT	Pending	26-Oct-21	PCT/US2021/056527					
2021EM217 - Extruder Systems and Processes Thereof								
US	Pending	29-Oct-21	63/273520					

* The estimated expiry date is for reference purposes only, and may not account for terminal disclaimers, patent term adjustments or extensions, or other country-specific variations in patent term laws.

**AMENDMENT 1 TO INTELLECTUAL PROPERTY AND TECHNICAL
INFORMATION SALE AND ASSIGNMENT AGREEMENT**

This AMENDMENT 1 (the "Amendment") to the INTELLECTUAL PROPERTY AND TECHNICAL INFORMATION SALE AND ASSIGNMENT AGREEMENT (the "Agreement") entered into by and between SANTOPRENE PRODUCTION PENSACOLA LLC, organized under the laws of Delaware, having its principal office located at 222 W. Las Colinas Blvd., Suite 900N, Irving, Texas 75039, the United States of America ("Assignor" or "SPP"), and CELANESE INTERNATIONAL COPROPRATION, organized under the laws of Delaware, having its principal office located at 222 W. Las Colinas Blvd., Suite 900N, Irving, Texas 75039, the United States of America ("Assignee" or "CIC"), is effective as of December 1, 2021.

WHEREAS, SPP and CIC desire to make certain amendments to ANNEX 1 -- SANTOPRENE IP RIGHTS of the Agreement, as set forth below.

NOW, THEREFORE, SPP and CIC agree to make the following amendments to the Agreement, effective as of December 1, 2021:

1. ANNEX 1 -- SANTOPRENE IP RIGHTS -- APPENDIX A


The below amendments to the patents and patent applications are incorporated into the attached Amended Replacement Pages I-15 to I-16 for APPENDIX A.

- a. On page I-15, for 2019EM090-CN, replace Application No. "PCT/US2020/024168" with "202080031730.1".
- b. On page I-16, for 2019EM206-CN, replace Application No. "PCT/US2020/037476" with "202080035485.1".
- c. On page I-16, for 2019EM209-CN, replace Application No. "PCT/US2020/038702" with "202080035509.3".
- d. On page I-16, for 2019EM209-US, replace Application No. "17/601606" with "17/601616".

2. ANNEX 1 -- SANTOPRENE IP RIGHTS - SCHEDULE A

The below amendments to the trademark registrations are reflected in the table below for SCHEDULE A.

- a. For GEOLAST in Argentina, replace Registration No. "2348408" with "3171486".
- b. For SANTOPRENE in Argentina, replace Registration No. "2225624" with "2995806".
- c. For DYTRON (STYLIZED) in Japan, remove the trademark from the schedule.

JURISDICTION	MARK	APPL. NO.	REGIS. NO.	APPL. DATE	REGIS. DATE	RENEWAL DATE
Argentina	GEOLAST	2907531	3171486	April 13, 2009	February 16, 2010	February 25, 2030
Argentina	SANTOPRENE	1448673	2995806	August 13, 1984	January 5, 1987	April 16, 2028
Japan	 DYTRON (STYLIZED)	269692	2715696	January 14, 1992	August 30, 1996	August 30, 2026

Other than as amended by this Amendment, all other provisions of the original Agreement, effective as of December 1, 2021, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused their duly authorized representatives to execute this Amendment 1 effective as of December 1, 2021.

SANTOPRENE PRODUCTION PENSACOLA LLC

Signature: Cynthia L. Clay
 Name: Cynthia L. Clay
 Title: Asst. Secretary
 Date: 1/14/22

STATE OF Kentucky)
 COUNTY OF Boone) ss.

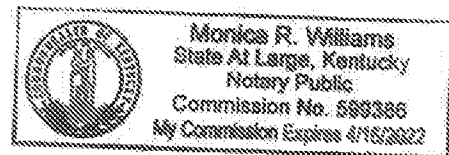
On this 14th day of January, 2022, appeared before me Cynthia L. Clay, to me identified as the individual referred to in the foregoing instrument, and she acknowledged to me that she executed same as her free act and deed for the uses and purposes therein set forth.

Monica R. Williams
 NOTARY PUBLIC FOR: Kentucky

[SEAL]

MY COMMISSION EXPIRES: 04-16-2022

[Signature]
 Notary / Witness Signature



CELANESE INTERNATIONAL COPORATION

Signature: Adam Santosuosso

Name: Adam Santosuosso

Title: Asst Secy

Date: 1/21/22

STATE OF Texas)

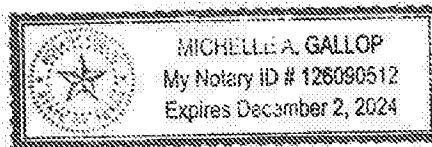
COUNTY OF Dallas) ss.

On this 21 day of January, 2022, appeared before me Adam Santosuosso, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.

Michelle A. Gallop
NOTARY PUBLIC FOR: Texas

[SEAL]

MY COMMISSION EXPIRES: 12/2/2024



Michelle A. Gallop
Notary /Witness Signature

City	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
2018EM296 - Thermoplastic Vulcanizate Compositions Comprising Encapsulated Stannous Chloride								
CN	Pending	6-Nov-19	201980085846.0	6-Aug-21	CN113227220A			
EP	Pending	6-Nov-19	19842431.9	22-Sep-21	EP3880736			
US	Pending	6-Nov-19	17292147	22-May-20	WO2020/101961			
2019EM007 - Foam Thermoplastic Vulcanizate Pellet Compositions, Methods, and Articles Related Thereto								
CN	Pending	13-Jan-20	202080009031.7	24-Aug-21	CN113302231A			
EP	Pending	13-Jan-20	20704692.1	23-Jul-20	EP 3911695			
US	Pending	13-Jan-20	17/419062	23-Jul-20	WO2020/150119			
2019EM076 - Thermoplastic Vulcanizate Compositions								
CN	Pending	18-Mar-19	201980031991.0	25-Dec-20	CN112135863A			
EP	Pending	18-Mar-19	19782022.8	17-Feb-21	EP3775003			
US	Granted	18-Mar-19	16/356951	10-Oct-19	US2019-0309153	23-Feb-21	US10927207	7-May-39
2019EM080 - Compatibilized Thermoplastic Vulcanizate Compositions								
US	Granted	18-Mar-19	16/356894	10-Oct-19	US2019-0309152	16-Nov-21	US11174332	18-Mar-39
2019EM081 - Thermoplastic Vulcanizates and Compositions Therefrom								
US	Granted	18-Mar-19	16/356910	10-Oct-19	US2019-0309115	25-May-21	US11015008	18-Mar-39
2019EM090 - Pipe Including a Thermoplastic Vulcanizate Composition								
CN	Pending	23-Mar-20	202080031730.1	24-Sep-20	WO2020/191393			
EP	Pending	23-Mar-20	20720198.9	24-Sep-20	WO2020/191393			
US	Pending	21-Mar-19	17/435929	24-Sep-20	WO2020/191393			
2019EM130 - Method for Improving UV Weatherability of Thermoplastic Vulcanizates								
CN	Pending	17-Apr-20	202080029062.9	22-Oct-20	WO2020/214958			
EP	Pending	17-Apr-20	20724676.0	22-Oct-20	WO2020/214958			

City	Status	Application Date	Application No.	Publication Date	Publication No.	Grant Date	Grant No.	Estimated Expiry Date*
US	Pending	17-Apr-20	17/442363	22-Oct-20	WO2020/214958			
2019EM140 - Solid Resin Plasticizers for Thermoplastic Vulcanizates								
US	Pending	22-Apr-20	16/855005	29-Oct-20	US2020-0339788			
2019EM206 - Automotive Weather Seals Formed with Thermoplastic Vulcanizate Compositions								
CN	Pending	12-Jun-20	202080035485.1	17-Dec-20	WO2020/252293			
EP	Pending	12-Jun-20	20751774.9	17-Dec-20	WO2020/252293			
US	Pending	12-Jun-20	17/601606	17-Dec-20	WO2020/252293			
2019EM209 - Thermoplastic Vulcanizate Compositions								
CN	Pending	19-Jun-20	202080035509.3	24-Dec-20	WO2020/257630			
EP	Pending	19-Jun-20	20737770.6	24-Dec-20	WO2020/257630			
JP	Pending	19-Jun-20	PCT/US2020/038702	24-Dec-20	WO2020/257630			
US	Pending	19-Jun-20	17/601616	24-Dec-20	WO2020/257630			
2019EM248 - Thermoplastic Vulcanizate Compositions with Bi-Continuous Nanostructured Morphology								
US	Pending	14-Jul-20	16/928817	21-Jan-21	US2021-0017361			
2019EM341 - Propylene-Rich Thermoplastic Vulcanizate Compositions and Articles								
PCT	Pending	26-Aug-20	PCT/US2020/047859	11-Mar-21	WO2021/045936			
2019EM346 - Thermoplastic Vulcanizate Compositions and Thermoplastic Olefinic Compositions as Insulating Layers in Non-Flexible Pipes								
PCT	Pending	14-Aug-20	PCT/US2020/046290	4-Mar-21	WO2021/041051			
2019EM436 - Thermoplastic Vulcanizate Compositions and Processes for the Production Thereof								
PCT	Pending	13-Oct-20	PCT/US2020/055325	29-Apr-21	WO2021/080813			