PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4503367

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOVOMER, INC.	06/20/2017

RECEIVING PARTY DATA

Name:	SAUDI ARAMCO TECHNOLOGIES COMPANY
Street Address:	P.O. BOX 62
City:	DHAHRAN
State/Country:	SAUDI ARABIA
Postal Code:	31311

PROPERTY NUMBERS Total: 91

Property Type	Number
Application Number:	61091013
Application Number:	61095178
Application Number:	61096313
Application Number:	61097725
Application Number:	61098739
Application Number:	61101173
Application Number:	61110567
Application Number:	61290087
Application Number:	61299047
Application Number:	61377524
Application Number:	61382860
Application Number:	61385551
Application Number:	61416642
Application Number:	61422492
Application Number:	61430312
Application Number:	61474207
Application Number:	61483949
Application Number:	61509093
Application Number:	61511543
Application Number:	61521065

Property Type	Number
Application Number:	61545570
Application Number:	61555924
Application Number:	61569286
Application Number:	61570974
Application Number:	61577800
Application Number:	61609923
Application Number:	61625065
Application Number:	61637889
Application Number:	61651254
Application Number:	61678135
Application Number:	61683277
Application Number:	61693000
Application Number:	61723627
Application Number:	61731723
Application Number:	61758500
Application Number:	61822692
Application Number:	61974500
Application Number:	13864095
Application Number:	13870749
Application Number:	14116675
Application Number:	14148455
Application Number:	14233571
Application Number:	14394762
Application Number:	14422780
Application Number:	14643057
Application Number:	14720242
Application Number:	14890662
Application Number:	15005230
Application Number:	15155305
Application Number:	15161684
Application Number:	15171755
Application Number:	15191901
Application Number:	15206402
Application Number:	15222502
Application Number:	15243884
Application Number:	15251668
Application Number:	15368110
Application Number:	15368144

Property Type	Number
Patent Number:	7858729
Patent Number:	8247520
Patent Number:	8252891
Patent Number:	8324337
Patent Number:	8470956
Patent Number:	8580911
Patent Number:	8604155
Patent Number:	8633123
Patent Number:	8642771
Patent Number:	8785591
Patent Number:	8859822
Patent Number:	8921508
Patent Number:	8946109
Patent Number:	8951930
Patent Number:	8952104
Patent Number:	8956989
Patent Number:	9012675
Patent Number:	9029498
Patent Number:	9102800
Patent Number:	9284406
Patent Number:	9359474
Patent Number:	9371334
Patent Number:	9376531
Patent Number:	9388277
Patent Number:	9394326
Patent Number:	9399701
Patent Number:	9403861
Patent Number:	9422397
Patent Number:	9453100
Patent Number:	9505878
Patent Number:	9512259
Patent Number:	9512269
Application Number:	15301095

CORRESPONDENCE DATA

Fax Number: (617)502-5002

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ATTORNEY DOCKET NUMBER:	2008376-0000
NAME OF SUBMITTER:	CHARLES E. LYON
SIGNATURE:	/Charles E. Lyon/
DATE SIGNED:	07/14/2017

Total Attachments: 11

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CONFIRMATION OF PATENT ASSIGNMENT

This Confirmation of Patent Assignment is entered into by and between **SAUDI ARAMCO TECHNOLOGIES COMPANY**, a Saudi limited liability company having a place of business at P.O. Box 62, Dhahran 31311, Kingdom of Saudi Arabia ("SAT"), and **NOVOMER, INC.**, a Delaware corporation having a place of business at 200 West Street, Waltham, MA 02451 ("Novomer").

WHEREAS, Novomer has an interest in the patent applications and patents listed on Schedule A, attached hereto and a part of this agreement (collectively, the "Patents"), by virtue of assignment from at least one inventor;

WHEREAS, Novomer, SAT, and Aramco Services Company, a Delaware Corporation having a place of business at 9009 West Loop South, P.O. Box 4534, Houston, TX 77210 ("ASC"), entered into an Equity Interest and Asset Purchase Agreement effective October 13, 2016 (the "Purchase Agreement");

WHEREAS, pursuant to Section 1.2 of the Purchase Agreement, Novomer, SAT, and ASC agreed that the whole right, title, and interest in and to the Patents would be sold, conveyed, transferred, assigned, and delivered by Novomer to SAT; and

WHEREAS, Novomer and SAT wish to confirm that Novomer has sold, conveyed, transferred, assigned, and delivered and/or does hereby sell, convey, transfer, assign, and deliver to SAT, Novomer's whole right, title, and interest in and to the Patents.

NOW THEREFORE, pursuant to such Purchase Agreement and in consideration of the terms set forth therein, Novomer hereby confirms that it has sold, conveyed, transferred, assigned, and delivered and/or does hereby sell, convey, transfer, assign, and deliver to SAT, Novomer's whole right, title, and interest, free from all encumbrances, in and throughout the United States of America, its territories, and all foreign countries, in and to the Patents, including any right of priority thereto. This Confirmation of Patent Assignment applies to the Patents, and to any patent application that is based in whole or in part on any claim of priority or any other direct claim of rights from the Patents, including any divisional, continuing, substitute, renewal, reissue, reexamination, and other patent applications, for example that claim priority to the Patents. Also, this Confirmation of Patent Assignment pertains to any and all other rights, privileges, and advantages, including any and all rights to damages, profits, or recoveries of any nature for past infringement of the Patents, arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said patent applications and patent(s) to be held and enjoyed by SAT for its own use and for each of its successors, assigns, and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by Novomer had Novomer and SAT not entered into the Purchase Agreement except for any limitation in term that may result as a direct result of Novomer and SAT entering into the Purchase Agreement.

AND for the same consideration, Novomer hereby covenants and agrees that it will at any time, upon the request and at the expense of SAT but without further compensation (wherein for purposes of clarity the expression of "expense of SAT" includes reasonable reimbursement for personnel cost associated with matters requiring significant participation of Novomer personnel), cooperate with SAT

in the protection of the Patents, including: all lawful acts that may be necessary to perfect the title to the Patents, such as the execution and delivery of formal documents; cooperate with SAT in the prosecution, enforcement or licensing of the Patents, including in any interference, reexamination, or other litigation; and communicate to SAT, its successors and assigns, any facts known respecting the Patents and its history.

AND for the same consideration, Novomer hereby covenants and agrees to and with SAT, their successors, legal representatives and assigns that Novomer will, at the cost and expense of Novomer, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the recordation of this Confirmation of Patent Assignment to SAT.

AND Novomer hereby requests the Director of the United States Patent and Trademark Office to issue any and all patents of the United States arising from such United States patents and patent applications included in the Patents to SAT, its respective successors, legal representatives, and assigns.

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IN WITNESS WHEREOF, I hereto set my hand and seal at WALTHAM, MASSACHUSETTS this 20 day of JUNE, 2017.

Name: James Mahoney
Title: CEO
Novomer, Inc.

IN WITNESS WHEREOF, I hereto set my hand and seal at Dhahran, Saudi Arabia this 1 day of May, 2017.

Name: Ammar A. Al Nahwi
Title: CEO
Saudi Aramco Technologies Company

[Signature Page to Confirmation of Patent Assignment]

SCHEDULE A

Patents

Patents and Patent Applications								
Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Publication No.
Polycarbonates	Novomer	NOV-003-CN	CN 102046695	Control of polymer molecular weight distribution	August 21, 2013	Issued Int'l China	CN	102046695
Polycarbonates	Novomer	NOV-003-CN-div1	CN 201310308300.1	Control of polymer molecular weight distribution	May 27, 2009	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-003-EP	EP 09759050.9	Control of polymer molecular weight distribution	December 3, 2010	Pending Int'l Europe	EP	2281033
Polycarbonates	Novomer	NOV-003-IN	IN 8736/DELNP/2010	Control of polymer molecular weight distribution	December 8, 2010	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-003-IN-div1	IN 201618038704	Control of polymer molecular weight distribution	December 8, 2010	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-003-JP	JP 5552116	Control of polymer molecular weight distribution	July 16, 2014	Issued Int'l Japan	JP	2011522091
Polycarbonates	Novomer	NOV-003-KR	KR 10-2010-7028373	Control of polymer molecular weight distribution	December 27, 2010	Pending Int'l Korea	KR	20110013493
Polycarbonates	Novomer	NOV-003-PCT	PCT/US2009/045216	Control of polymer molecular weight distribution	May 27, 2009	Converted PCT	WO	2009148889
Polycarbonates	Novomer	NOV-003-US	7,858,729	Control of polymer molecular weight distribution	December 28, 2010	Issued US	US	7858729
Polycarbonates	Novomer	NOV-003-US-div1	8,324,337	Control of polymer molecular weight distribution	December 4, 2012	Issued US	US	8324337
Polycarbonates	Novomer	NOV-007-BR	BR-0919323-5	Polycarbonate Polyols	September 8, 2009	Pending Int'l Brazil	BR	
Polycarbonates	Novomer	NOV-007-CA	CA-2736482	Polycarbonate Polyols	September 8, 2009	Pending Int'l Canada	CA	2736482
Polycarbonates	Novomer	NOV-007-CN	CN 102149746	Polycarbonate Polyols	May 22, 2013	Issued Int'l China	CN	102149746
Polycarbonates	Novomer	NOV-007-CN-div1	CN 201310127735.6	Polycarbonate Polyols	September 8, 2009	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-007-EP	EP 09792317.1	Polycarbonate Polyols	September 8, 2009	Pending Int'l Europe	EP	2337809
Polycarbonates	Novomer	NOV-007-GCC	GCC 14218	Polycarbonate Polyols	September 1, 2009	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-007-HK	HK 11112778.0	Polycarbonate Polyols	September 8, 2009	Pending Int'l Hong Kong	HK	1157803
Polycarbonates	Novomer	NOV-007-IN	IN 2273/CHENP/2011	Polycarbonate Polyols	September 8, 2009	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-007-JP	JP 2011526220	Polycarbonate Polyols	September 8, 2009	Pending Int'l Japan	JP	2012502143
Polycarbonates	Novomer	NOV-007-JP2	JP 2014198408	Polycarbonate Polyols	September 29, 2014	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-007-KR	KR 1014264410	Polycarbonate Polyols	August 5, 2014	Issued Int'l Korea	KR	1014264410
Polycarbonates	Novomer	NOV-007-KR-div1	KR 10-2012-7004668	Polycarbonate Polyols	September 8, 2009	Pending Int'l Korea	KR	20120034813
Polycarbonates	Novomer	NOV-007-KR-div2	KR 10-2014-7025281	Polycarbonate Polyols	September 8, 2009	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-007-P1	US 61/095,178	Polycarbonate Polyols	September 8, 2008	Converted Provisional	US	
Polycarbonates	Novomer	NOV-007-PCT	PCT/US09/056230	Polycarbonate Polyols	September 8, 2009	Converted PCT	WO	2010028362
Polycarbonates	Novomer	NOV-007-SG	SG 2011/01612-8	Polycarbonate Polyols	September 8, 2009	Abandoned	SG	
Polycarbonates	Novomer	NOV-007-SG-div1	SG 2013/064316	Polycarbonate Polyols	September 8, 2009	Pending Int'l Singapore	SG	
Polycarbonates	Novomer	NOV-007-US	8,247,520	Polycarbonate Polyols	August 21, 2012	Issued US	US	8247520
Polycarbonates	Novomer	NOV-007-US-cont1	8,604,155	Polycarbonate Polyols (Systems and Polyols)	December 10, 2013	Issued US	US	8604155
Polycarbonates	Novomer	NOV-007-US-cont2	8,470,956	Polycarbonate Polyols (Methods)	June 25, 2013	Issued US	US	8470956
Polycarbonates	Novomer	NOV-007-US-cont3	8,921,508	Polycarbonate Polyols	December 30, 2014	Issued US	US	8921508
Polycarbonates	Novomer	NOV-007-US-cont4	9,376,531	Polycarbonate Polyols	June 28, 2016	Issued US	US	9376531
Polycarbonates	Novomer	NOV-007-US-cont5	US 15/161684	Polycarbonate Polyols	May 23, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-009-BR	BR-0919214-0	Quenching APC Polymerizations	March 17, 2011	Pending Int'l Brazil	BR	
Polycarbonates	Novomer	NOV-009-CN	CN ZL200980143869.3	Quenching APC Polymerizations	July 8, 2015	Issued Int'l China	CN	102197062
Polycarbonates	Novomer	NOV-009-EP	EP 2342257	Quenching APC Polymerizations	November 11, 2015	Issued Int'l Europe	EP	2342257
Polycarbonates	Novomer	NOV-009-DE	EP 2342257	Quenching APC Polymerizations	November 11, 2015	Validated Int'l Germany	DE	2342257
Polycarbonates	Novomer	NOV-009-FR	EP 2342257	Quenching APC Polymerizations	November 11, 2015	Validated Int'l France	FR	2342257

Patents and Patent Applications								
Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Publication No.
Polycarbonates	Novomer	NOV-009-GB	EP 2342257	Quenching APC Polymerizations	November 11, 2015	Validated Int'l UK	GB	2342257
Polycarbonates	Novomer	NOV-009-NL	EP 2342257	Quenching APC Polymerizations	November 11, 2015	Validated Int'l Netherlands	NL	2342257
Polycarbonates	Novomer	NOV-009-EP-div1	EP 15193921.2	Quenching APC Polymerizations	April 6, 2016	Pending Int'l Europe	EP	3002305
Polycarbonates	Novomer	NOV-009-GCC	GCC 14298	Quenching APC Polymerizations	September 14, 2009	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-009-HK	HK 16111317.3	Quenching APC Polymerizations	September 17, 2009	Pending Int'l Hong Kong	HK	
Polycarbonates	Novomer	NOV-009-IN	IN 2433/CHENP/2011	Quenching APC Polymerizations	September 17, 2009	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-009-JP	JP 5748662	Quenching APC Polymerizations	July 15, 2015	Issued Int'l Japan	JP	5748662
Polycarbonates	Novomer	NOV-009-JP-div1	JP 2015-211526	Quenching APC Polymerizations	September 17, 2009	Pending Int'l Japan	JP	2016-20511
Polycarbonates	Novomer	NOV-009-KR	KR 10-2011-7008713	Quenching APC Polymerizations	September 17, 2009	Pending Int'l Korea	KR	2011063543
Polycarbonates	Novomer	NOV-009-P1	US 61/097,725	Quenching APC Polymerizations	September 17, 2008	Converted Provisional	US	
Polycarbonates	Novomer	NOV-009-PCT	PCT/US09/057324	Quenching APC Polymerizations	September 17, 2009	Converted PCT	WO	2010033765
Polycarbonates	Novomer	NOV-009-US	9,012,675	Quenching APC Polymerizations	April 21, 2015	Issued US	US	9012675
Polycarbonates	Novomer	NOV-009-US-cont	14/645,057	Quenching APC Polymerizations	March 10, 2015	Pending US	US	20150261215
Polycarbonates	Novomer	NOV-010-BR	BR 0919237-0	Catalyst Removal Using Sulfonic Acid Resins	March 17, 2011	Pending Int'l Brazil	BR	919237
Polycarbonates	Novomer	NOV-010-CN	CN 102197063	Catalyst Removal Using Sulfonic Acid Resins	September 9, 2015	Issued Int'l China	CN	102197063
Polycarbonates	Novomer	NOV-010-EP	EP 2342258	Catalyst Removal Using Sulfonic Acid Resins	November 11, 2015	Issued Int'l Europe	EP	2342258
Polycarbonates	Novomer	NOV-010-DE	EP 2342258	Catalyst Removal Using Sulfonic Acid Resins	November 11, 2015	Validated Int'l Germany	DE	2342258
Polycarbonates	Novomer	NOV-010-FR	EP 2342258	Catalyst Removal Using Sulfonic Acid Resins	November 11, 2015	Validated Int'l France	FR	2342258
Polycarbonates	Novomer	NOV-010-GB	EP 2342258	Catalyst Removal Using Sulfonic Acid Resins	November 11, 2015	Validated Int'l UK	GB	2342258
Polycarbonates	Novomer	NOV-010-NL	EP 2342258	Catalyst Removal Using Sulfonic Acid Resins	November 11, 2015	Validated Int'l Netherlands	NL	2342258
Polycarbonates	Novomer	NOV-010-GCC	GCC 14300	Catalyst Removal Using Sulfonic Acid Resins	July 7, 2015	Issued Gulf Coop	GCC	0003653
Polycarbonates	Novomer	NOV-010-IN	IN 2420/CHENP/2011	Catalyst Removal Using Sulfonic Acid Resins	September 17, 2009	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-010-JP	JP 5909090	Catalyst Removal Using Sulfonic Acid Resins	September 17, 2009	Issued Int'l Japan	JP	2012503078
Polycarbonates	Novomer	NOV-010-JP-div1	JP 2015-211526	Catalyst Removal Using Sulfonic Acid Resins	February 14, 2016	Pending Int'l Japan	JP	2016020511
Polycarbonates	Novomer	NOV-010-KR	KR 10-2011-7008714	Catalyst Removal Using Sulfonic Acid Resins	September 17, 2009	Pending Int'l Korea	KR	2011068739
Polycarbonates	Novomer	NOV-010-P1	US 61/101,173	Catalyst Removal Using Sulfonic Acid Resins	September 30, 2008	Converted Provisional	US	
Polycarbonates	Novomer	NOV-010-PCT	PCT/US09/057320	Catalyst Removal Using Sulfonic Acid Resins	September 17, 2009	Converted PCT	WO	2010033703
Polycarbonates	Novomer	NOV-010-US	8,252,891	Catalyst Removal Using Sulfonic Acid Resins	August 28, 2012	Issued US	US	8252891
Polycarbonates	Novomer	NOV-011-BR	BR 0917785-0	Tethered Catalysts	February 22, 2011	Pending Int'l Brazil	BR	
Polycarbonates	Novomer	NOV-011-CN	CN 102164987	Tethered Catalysts	July 8, 2015	Issued Int'l China	CN	102164987
Polycarbonates	Novomer	NOV-011-CN-div1	CN 201510236413.4	Tethered Catalysts	September 9, 2015	Pending Int'l China	CN	104888857
Polycarbonates	Novomer	NOV-011-EP	EP 2321364	Tethered Catalysts	August 12, 2015	Issued Int'l Europe	EP	2321364
Polycarbonates	Novomer	NOV-011-BE	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Belgium	BE	2321364
Polycarbonates	Novomer	NOV-011-CH	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Switzerland	CH	2321364
Polycarbonates	Novomer	NOV-011-DE	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Germany	DE	2321364
Polycarbonates	Novomer	NOV-011-ES	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Spain	ES	2321364
Polycarbonates	Novomer	NOV-011-FR	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l France	FR	2321364
Polycarbonates	Novomer	NOV-011-GB	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l UK	GB	2321364
Polycarbonates	Novomer	NOV-011-IE	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Ireland	IE	2321364
Polycarbonates	Novomer	NOV-011-IT	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Italy	IT	2321364
Polycarbonates	Novomer	NOV-011-NL	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Netherlands	NL	2321364
Polycarbonates	Novomer	NOV-011-PL	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Poland	PL	2321364
Polycarbonates	Novomer	NOV-011-TR	EP 2321364	Tethered Catalysts	August 12, 2015	Validated Int'l Turkey	TR	2321364

PATENT
REEL: 043194 FRAME: 0547

Patents and Patent Applications								
Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Patent or Appl. No.
Polycarbonates	Novomer	NOV-011-EP-div1	EP 15180298.0	Tethered Catalysts	January 13, 2016	Pending Int'l Europe	EP	2966108
Polycarbonates	Novomer	NOV-011-GCC	GCC 14148	Tethered Catalysts for polycarbonate synthesis	August 22, 2009	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-011-HK	HK 11112253.4	Tethered Catalysts	August 24, 2009	Pending Int'l Hong Kong	HK	1157203
Polycarbonates	Novomer	NOV-011-HK-div1	HK 16107316.4	Tethered Catalysts	July 14, 2016	Pending Int'l Hong Kong	HK	
Polycarbonates	Novomer	NOV-011-IN	IN 1850/CHENP/2011	Tethered Catalysts	August 24, 2009	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-011-JP	JP 5832288	Tethered Catalysts	August 24, 2009	Issued Int'l Japan	JP	2012500867
Polycarbonates	Novomer	NOV-011-JP-div1	JP 2015-54505	Tethered Catalysts	July 16, 2015	Allowed Int'l Japan	JP	2015129306
Polycarbonates	Novomer	NOV-011-JP-div2	JP 2016-206837	Tethered Catalysts	August 24, 2009	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-011-KR	KR 10-2011-7006527	Tethered Catalysts	August 24, 2009	Pending Int'l Korea	KR	2011007952
Polycarbonates	Novomer	NOV-011-P1	US 61/091,013	Tethered Catalysts	August 22, 2008	Converted Provisional	US	
Polycarbonates	Novomer	NOV-011-P2	US 61/096,315	Tethered Catalysts	September 11, 2008	Converted Provisional	US	
Polycarbonates	Novomer	NOV-011-P3	US 61/098,739	Tethered Catalysts	September 19, 2008	Converted Provisional	US	
Polycarbonates	Novomer	NOV-011-PCT	PCT/US09/054773	Tethered Catalysts	August 24, 2009	Converted PCT	WO	2010022388
Polycarbonates	Novomer	NOV-011-SG	SG 201101242-4	Tethered Catalysts	August 24, 2009	Abandoned	SG	193226
Polycarbonates	Novomer	NOV-011-SG-div1	SG 201306401	Tethered Catalysts	August 24, 2009	Pending Int'l Singapore	SG	
Polycarbonates	Novomer	NOV-011-US	8,633,123	Tethered Catalysts	January 21, 2014	Issued US	US	8633123
Polycarbonates	Novomer	NOV-011-US-div1	8,951,930	Tethered Catalysts	February 10, 2015	Issued US	US	8951930
Polycarbonates	Novomer	NOV-011-US-div2	8,946,109	Tethered Catalysts	February 3, 2015	Issued US	US	8946109
Polycarbonates	Novomer	NOV-011-US-div3	8,956,989	Tethered Catalysts	February 17, 2015	Issued US	US	8956989
Polycarbonates	Novomer	NOV-011-US-div1-con1	9,505,878	Tethered Catalysts	February 6, 2015	Issued US	US	9505878
Polycarbonates	Novomer	NOV-011-US-con2	US 15/251,668	Tethered Catalysts	August 30, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-014-CA	CA 2742119	APC Compositions for EOR Applications	October 30, 2009	Pending Int'l Canada	CA	2742119
Polycarbonates	Novomer	NOV-014-US-con1	8,785,591	APC Compositions for EOR Applications	July 22, 2014	Issued US	US	8785591
Polycarbonates	Novomer	NOV-014-US-con2	9,102,800	APC Compositions for EOR Applications	August 11, 2015	Issued US	US	9102800
Polycarbonates	Novomer	NOV-014-US-con3	9,422,397	APC Compositions for EOR Applications	August 23, 2016	Issued US	US	9422397
Polycarbonates	Novomer	NOV-014-US-con4	US 15/243,884	APC Compositions for EOR Applications	August 22, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-014-GCC	GCC 14021	APC Compositions for EOR	November 1, 2009	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-014-P1	US 61/110,567	APC Compositions for EOR	November 1, 2008	Converted Provisional	US	
Polycarbonates	Novomer	NOV-014-PCT	PCT/US09/062871	APC Compositions for EOR Applications	October 30, 2009	Converted PCT	WO	2010062703
Polycarbonates	Novomer	NOV-014-US	8,580,911	APC Compositions for EOR Applications	November 12, 2013	Issued US	US	8580911
Polycarbonates	Novomer	NOV-028-CN	CN 102665406	Synthesis of cyclic guanidine compounds	March 9, 2016	Issued Int'l China	CN	102665406
Polycarbonates	Novomer	NOV-028-EP	EP 10840015.1	Synthesis of cyclic guanidine compounds	December 17, 2010	Pending Int'l Europe	EP	2515648
Polycarbonates	Novomer	NOV-028-GCC	GCC 17414	Synthesis of cyclic guanidine compounds	December 21, 2010	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-028-IN	IN 6256/CHENP/2012	Synthesis of cyclic guanidine compounds	December 17, 2010	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-028-JP	JP 5786716	Synthesis of cyclic guanidine compounds	June 26, 2015	Issued Int'l Japan	JP	2013515728
Polycarbonates	Novomer	NOV-028-KR	KR 10-2012-7019400	Synthesis of cyclic guanidine compounds	December 17, 2010	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-028-P1	US 61/290,087	Synthesis of cyclic guanidine compounds	December 24, 2009	Converted Provisional	US	
Polycarbonates	Novomer	NOV-028-P2	US 61/299,047	Synthesis of cyclic guanidine compounds	January 28, 2010	Converted Provisional	US	
Polycarbonates	Novomer	NOV-028-P3	US 61/422,492	Synthesis of cyclic guanidine compounds	December 13, 2010	Converted Provisional	US	
Polycarbonates	Novomer	NOV-028-PCT	PCT/US10/60985	Synthesis of cyclic guanidine compounds	December 17, 2010	Converted PCT	WO	2011079943
Polycarbonates	Novomer	NOV-028-US	8,642,771	Synthesis of cyclic guanidine compounds	February 2, 2014	Issued US	US	8642771
Polycarbonates	Novomer	NOV-028-US-div1	US 14/148,455	Synthesis of cyclic guanidine compounds	January 6, 2014	Pending US	US	20140194622
Polycarbonates	Novomer	NOV-029-CN	CN 201180054434.4	Bimetallic catalysts for polycarbonate synthesis	September 14, 2011	Pending Int'l China	CN	103201034

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Patents and Patent Applications								
Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Publication No.
Polycarbonates	Novomer	NOV-029-EP	EP 11825694.6	Bimetallic catalysts for polycarbonate synthesis	September 14, 2011	Pending Int'l Europe	EP	2616513
Polycarbonates	Novomer	NOV-029-IN	IN 2743/CHENP/2013	Bimetallic catalysts for polycarbonate synthesis	September 14, 2011	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-029-JP	JP 2013-529307	Bimetallic catalysts for polycarbonate synthesis	September 14, 2011	Abandoned	JP	2013-539802
Polycarbonates	Novomer	NOV-029-JP-div1	JP 2016-171972	Bimetallic catalysts for polycarbonate synthesis	September 14, 2011	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-029-KR	KR 10-2013-7009218	Bimetallic catalysts for polycarbonate synthesis	September 14, 2011	Pending Int'l Korea	KR	20130103532
Polycarbonates	Novomer	NOV-029-P1	US 61/382,860	Bimetallic catalysts for polycarbonate synthesis	September 14, 2010	Converted Provisional	US	
Polycarbonates	Novomer	NOV-029-PCT	PCT/US11/051639	Bimetallic catalysts for polycarbonate synthesis	September 14, 2011	Converted PCT	WO	2012037282
Polycarbonates	Novomer	NOV-029-US	9,284,406	Bimetallic catalysts for polycarbonate synthesis	March 15, 2016	Issued US	US	9284406
Polycarbonates	Novomer	NOV-029-US-div1	US 15/005,230	Bimetallic catalysts for polycarbonate synthesis	January 25, 2016	Pending US	US	20160137777
Polycarbonates	Novomer	NOV-030-P1	US 61/521,065	Oligomeric catalysts for polycarbonate synthesis	August 8, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-030-PCT	PCT/US12/049934	Oligomeric catalysts for polycarbonate synthesis	August 8, 2012	Converted PCT	WO	2013022932
Polycarbonates	Novomer	NOV-030-CN	CN 201280048723	Oligomeric catalysts for polycarbonate synthesis	August 8, 2012	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-030-KR	KR-10-2014-7005489	Oligomeric catalysts for polycarbonate synthesis	August 8, 2012	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-030-IN	IN 1779/CHENP/2014	Oligomeric catalysts for polycarbonate synthesis	August 8, 2012	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-030-EP	EP 12821495.4	Oligomeric catalysts for polycarbonate synthesis	August 8, 2012	Pending Int'l Europe	EP	
Polycarbonates	Novomer	NOV-030-US	9,394,326	Oligomeric catalysts for polycarbonate synthesis	July 19, 2016	Issued US	US	9394326
Polycarbonates	Novomer	NOV-030-JP	JP 2014-525186	Oligomeric catalysts for polycarbonate synthesis	August 8, 2012	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-032-CN	CN 103153278	Polyol compositions for composites applications	January 20, 2016	Issued Int'l China	CN	103153278
Polycarbonates	Novomer	NOV-032-CN-div1	CN 201510809604.5	Polyol compositions for composites applications	August 8, 2012	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-032-EP	EP 11820762.0	Polyol compositions for composites applications	August 26, 2011	Pending Int'l Europe	EP	2808787
Polycarbonates	Novomer	NOV-032-GCC	GCC 19153	Polyol compositions for composites applications	August 24, 2011	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-032-IN	IN 2346/CHENP/2013	Polyol compositions for composites applications	August 26, 2011	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-032-JP	JP 2013-526190	Polyol compositions for composites applications	August 26, 2011	Allowed Int'l Japan	JP	2013536010
Polycarbonates	Novomer	NOV-032-JP-div1	JP 2016-161879	Polyol compositions for composites applications	August 26, 2011	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-032-KR	KR 10-2013-7007835	Polyol compositions for composites applications	August 26, 2011	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-032-P1	US 61/377,524	Polyol compositions for composites applications	August 27, 2010	Converted Provisional	US	
Polycarbonates	Novomer	NOV-032-P2	US 61/474,207	Polyol compositions for composites applications	April 11, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-032-PCT	PCT/US11/049466	Polyol compositions for composites applications	August 26, 2011	Converted PCT	WO	2012027775
Polycarbonates	Novomer	NOV-032-US	9,399,701	Polyol compositions for composites applications	July 26, 2016	Issued US	US	9399701
Polycarbonates	Novomer	NOV-034-CN	CN 201180054062.3	Use of anhydro-dimers for catalyst synthesis	September 22, 2011	Pending Int'l China	CN	103278137
Polycarbonates	Novomer	NOV-034-EP	EP 11827530.4	Use of anhydro-dimers for catalyst synthesis	September 22, 2011	Pending Int'l Europe	EP	2616662
Polycarbonates	Novomer	NOV-034-GCC	GCC 19349	Use of anhydro-dimers for catalyst synthesis	September 25, 2011	Allowed Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-034-IN	IN 2934/CHENP/2013	Use of anhydro-dimers for catalyst synthesis	September 22, 2011	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-034-JP	JP 2013-530310	Use of anhydro-dimers for catalyst synthesis	September 22, 2011	Allowed Int'l Japan	JP	2013542193
Polycarbonates	Novomer	NOV-034-JP-div1	JP 2016-207841	Use of anhydro-dimers for catalyst synthesis	September 22, 2011	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-034-KR	KR 10-2013-7009113	Use of anhydro-dimers for catalyst synthesis	September 22, 2011	Pending Int'l Korea	KR	20130109133
Polycarbonates	Novomer	NOV-034-P1	US 61/385,551	Use of anhydro-dimers for catalyst synthesis	September 22, 2010	Converted Provisional	US	
Polycarbonates	Novomer	NOV-034-PCT	PCT/US11/052748	Use of anhydro-dimers for catalyst synthesis	September 22, 2011	Converted PCT	WO	2012040454
Polycarbonates	Novomer	NOV-034-US	8,859,822	Use of anhydro-dimers for catalyst synthesis	October 14, 2014	Issued US	US	8859822
Polycarbonates	Novomer	NOV-034-US-con1	9,371,334	Use of anhydro-dimers for catalyst synthesis	June 21, 2016	Issued US	US	9371334
Polycarbonates	Novomer	NOV-034-US-con1-div1	US 15/155,305	Use of anhydro-dimers for catalyst synthesis	May 16, 2016	Pending US	US	20160257695
Polycarbonates	Novomer	NOV-036-EP	EP 11842977.7	Polyol compositions for coatings applications	November 23, 2011	Pending Int'l Europe	EP	2643374
Polycarbonates	Novomer	NOV-036-JP	JP 2013541044	Polyol compositions for coatings applications	November 23, 2011	Pending Int'l Japan	JP	2013547929

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Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Publication No.
Polycarbonates	Novomer	NOV-036-P1	US 61/416,642	Polyol compositions for coatings applications	November 23, 2010	Converted Provisional	US	
Polycarbonates	Novomer	NOV-036-PCT	PCT/US11/062034	Polyol compositions for coatings applications	November 23, 2011	Converted PCT	WO	2012071508
Polycarbonates	Novomer	NOV-036-US	9,029,498	Polyol compositions for coatings applications	May 12, 2015	Issued US	US	9029498
Polycarbonates	Novomer	NOV-037-P1	US 61/511,543	Foams from aliphatic polycarbonate polyols	July 25, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-037-PCT	PCT/US12/047967	Foams from aliphatic polycarbonate polyols	July 24, 2012	Converted PCT	WO	2013016333
Polycarbonates	Novomer	NOV-037-KR	KR-10-2014-7004838	Foams from aliphatic polycarbonate polyols	July 24, 2012	Pending Int'l Korea	KR	20140054123
Polycarbonates	Novomer	NOV-037-CN	CN 201280046683	Foams from aliphatic polycarbonate polyols	July 24, 2012	Pending Int'l China	CN	103827207
Polycarbonates	Novomer	NOV-037-EP	EP 12817815.9	Foams from aliphatic polycarbonate polyols	July 24, 2012	Pending Int'l Europe	EP	2736974
Polycarbonates	Novomer	NOV-037-US	9,453,100	Foams from aliphatic polycarbonate polyols	January 23, 2014	Issued US	US	9453100
Polycarbonates	Novomer	NOV-037-US-cont	US 15/206,402	Foams from aliphatic polycarbonate polyols	July 11, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-037-JP	JP 2014-522940	Foams from aliphatic polycarbonate polyols	July 24, 2012	Pending Int'l Japan	JP	2014528965
Polycarbonates	Novomer	NOV-037-HK	HK 14107870	Foams from aliphatic polycarbonate polyols	January 23, 2014	Pending Int'l Hong Kong	HK	1194434
Polycarbonates	Novomer	NOV-037-IN	IN 1299/CHENP/2014	Foams from aliphatic polycarbonate polyols	January 23, 2014	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-038-CN	CN 2012-80011235	Epoxy-terminated polycarbonate polyols	January 6, 2012	Pending Int'l China	CN	103403058
Polycarbonates	Novomer	NOV-038-EP	EP 12732379.8	Epoxy-terminated polycarbonate polyols	January 6, 2012	Pending Int'l Europe	EP	
Polycarbonates	Novomer	NOV-038-GCC	GCC 20209	Epoxy-terminated polycarbonate polyols	January 4, 2012	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-038-IN	IN 6138/CHENP/2013	Epoxy-terminated polycarbonate polyols	January 6, 2012	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-038-JP	JP 2013-548583	Epoxy-terminated polycarbonate polyols	January 6, 2012	Pending Int'l Japan	JP	2014503018
Polycarbonates	Novomer	NOV-038-KR	KR 10-2013-7020621	Epoxy-terminated polycarbonate polyols	January 6, 2012	Pending Int'l Korea	KR	20140035882
Polycarbonates	Novomer	NOV-038-P1	US 61/430,312	Epoxy-terminated polycarbonate polyols	January 6, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-038-PCT	PCT/US12/020523	Epoxy-terminated polycarbonate polyols	January 6, 2012	Converted PCT	WO	2012094619
Polycarbonates	Novomer	NOV-038-US	8,952,104	Epoxy-terminated polycarbonate polyols	February 10, 2015	Issued US	US	8952104
Polycarbonates	Novomer	NOV-041-P1	US 61/483,949	APCs for glass coatings	May 9, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-041-PCT	PCT/US12/037117	APCs for glass coatings	May 9, 2012	Converted PCT	WO	2012154849
Polycarbonates	Novomer	NOV-041-US	US 14/116,675	APCs for glass coatings	November 8, 2013	Pending US	US	2014072806
Polycarbonates	Novomer	NOV-041-IN	IN 902/CHENP/2013	APCs for glass coatings	May 9, 2012	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-041-KR	KR-10-2013-7032483	APCs for glass coatings	May 9, 2012	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-041-CN	CN ZL201280019878.4	APCs for glass coatings	19-Oct-2016	Issued Int'l China	CN	103687733
Polycarbonates	Novomer	NOV-041-CN-div1	CN 201610838891.7	APCs for glass coatings	May 9, 2012	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-041-JP	JP-2014-510441	APCs for glass coatings	May 9, 2012	Allowed Int'l Japan	JP	2014514429
Polycarbonates	Novomer	NOV-041-JP-div1	JP-2016-206569	APCs for glass coatings	May 9, 2012	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-041-EP	EP 12782626.1	APCs for glass coatings	May 9, 2012	Pending Int'l Europe	EP	2707224
Polycarbonates	Novomer	NOV-042-P1	US 61/545,570	Methods of Alkylating Polycyclic Guanidines	October 10, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-042-PCT	PCT/US12/059480	Methods of Alkylating Polycyclic Guanidines	October 10, 2012	Converted PCT	WO	2013055747
Polycarbonates	Novomer	NOV-043-GCC	GCC 31771	Quaternized TBD	July 17, 2012	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-043-P1	US 61/509,093	Quaternized TBD	July 18, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-043-PCT	PCT/US12/047340	Quaternized TBD	July 18, 2012	Converted PCT	WO	2013012895
Polycarbonates	Novomer	NOV-043-KR	KR-10-2014-7004099	Quaternized TBD	July 18, 2012	Pending Int'l Korea	KR	20140054079
Polycarbonates	Novomer	NOV-043-EP	EP 12814377.3	Quaternized TBD	July 18, 2012	Pending Int'l Europe	EP	2734532
Polycarbonates	Novomer	NOV-043-CN	CN 2012-80036711	Quaternized TBD	July 18, 2012	Pending Int'l China	CN	103827128
Polycarbonates	Novomer	NOV-043-US	US 14/233,571	Quaternized TBD	January 17, 2014	Allowed US	US	20142285338
Polycarbonates	Novomer	NOV-043-JP	JP 2014-521773	Quaternized TBD	July 18, 2012	Pending Int'l Japan	JP	2014522863
Polycarbonates	Novomer	NOV-043-IN	IN 1164/CHENP/2014	Quaternized TBD	July 18, 2012	Pending Int'l India	IN	

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Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Patent or Application No.
Polycarbonates	Novomer	NOV-044-GCC	GCC 23156	Gen-II plus Gen-I to minimize induction time	December 22, 2012	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-044-P1	US 61/577,806	Gen-II plus Gen-I to minimize induction time	December 20, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-044-PCT	PCT/US12/070904	Gen-II plus Gen-I to minimize induction time	December 20, 2012	Converted PCT	WO	2013096602
Polycarbonates	Novomer	NOV-044-KR	KR 10-2014-7030586	Gen-II plus Gen-I to minimize induction time	December 20, 2012	Pending Int'l Korea	KR	201401987[illegible]
Polycarbonates	Novomer	NOV-044-CN	CN 2012-80069467	Gen-II plus Gen-I to minimize induction time	December 20, 2012	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-044-EP	EP 12859291.9	Gen-II plus Gen-I to minimize induction time	December 20, 2012	Pending Int'l Europe	EP	
Polycarbonates	Novomer	NOV-044-JP	JP 2014-548884	Gen-II plus Gen-I to minimize induction time	December 20, 2012	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-044-US	9,512,269	Gen-II plus Gen-I to minimize induction time	December 6, 2016	Issued US	US	9512269
Polycarbonates	Novomer	NOV-044-US-div1	US 15/368,144	Gen-II plus Gen-I to minimize induction time	December 2, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-044-IN	IN 5474/CHENP/2014	Gen-II plus Gen-I to minimize induction time	June 20, 2014	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-047-P1	US 61/555,924	Tethered PPC Catalyst Improvements	November 4, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-047-PCT	PCT/US12/063462	Tethered PPC Catalyst Improvements	November 4, 2012	Converted PCT	WO	2013067460
Polycarbonates	Novomer	NOV-047-US	9,359,474	Tethered PPC Catalyst Improvements	June 7, 2016	Issued US	US	9359474
Polycarbonates	Novomer	NOV-047-US-div1	US 15/171,755	Tethered PPC Catalyst Improvements	June 2, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-047-KR	KR 10-2014-7013832	Tethered PPC Catalyst Improvements	November 3, 2012	Pending Int'l Korea	KR	201408955[illegible]
Polycarbonates	Novomer	NOV-048-GCC	GCC 23009	Salen Catalysts with Polyanionic Initiators	December 10, 2012	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-048-P1	US 61/569,286	Cobalt Salen Catalysts with Polyanionic Initiators	December 11, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-048-P2	US 61/570,974	Chromium Salen Catalysts with Polyanionic Initiators	December 15, 2011	Converted Provisional	US	
Polycarbonates	Novomer	NOV-048-PCT	PCT/US12/068985	Salen Catalysts with Polyanionic Initiators	December 15, 2012	Converted PCT	WO	2013090276
Polycarbonates	Novomer	NOV-048-KR	KR 10-2014-7018741	Salen Catalysts with Polyanionic Initiators	December 12, 2012	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-048-US	9,403,861	Salen Catalysts with Polyanionic Initiators	August 2, 2016	Issued US	US	9403861
Polycarbonates	Novomer	NOV-048-US-div1	US 15/222,502	Salen Catalysts with Polyanionic Initiators	July 28, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-051-P1	US 61/609,923	Thermoplastic Polyurethane Compositions	March 12, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-051-P2	US 61/678,135	Thermoplastic Polyurethane Compositions	August 1, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-051-PCT	PCT/US13/029687	Thermoplastic Polyurethane Compositions	March 7, 2013	Abandoned PCT	WO	
Polycarbonates	Novomer	NOV-052-P1	US 61/625,065	Polyurethane Adhesive compositions	April 16, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-052-P2	US 61/683,277	Polyurethane Adhesive compositions	August 15, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-052-PCT	PCT/US13/036751	Polyurethane Adhesive compositions	April 16, 2013	Converted PCT	WO	2013158621
Polycarbonates	Novomer	NOV-052-US1	US 13/864,095	Polyurethane Adhesive compositions	April 16, 2013	Abandoned US	US	2013274401
Polycarbonates	Novomer	NOV-052-US2	US 14/394,762	Polyurethane Adhesive compositions	October 16, 2014	Pending US	US	2015085326
Polycarbonates	Novomer	NOV-052-US1-con1	US 14/720,242	Polyurethane Adhesive compositions	May 22, 2015	Pending US	US	2015034475[illegible]
Polycarbonates	Novomer	NOV-052-KR	KR 10-2014-7032074	Polyurethane Adhesive compositions	April 16, 2013	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-052-EP	EP 13778334.6	Polyurethane Adhesive compositions	April 16, 2013	Pending Int'l Europe	EP	
Polycarbonates	Novomer	NOV-052-CN	CN 2013-80029221	Polyurethane Adhesive compositions	April 16, 2013	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-052-JP	JP 2015-507106	Polyurethane Adhesive compositions	April 16, 2013	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-052-IN	IN 8202/CHENP/2014	Polyurethane Adhesive compositions	April 16, 2013	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-055-P1	US 61/637,889	Silyl-terminated polyols	April 25, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-055-PCT	PCT/US13/038739	Silyl-terminated polyols	April 25, 2013	Abandoned PCT	WO	
Polycarbonates	Novomer	NOV-055-US	US 13/870,749	Silyl-terminated polyols	April 25, 2013	Abandoned US	US	
Polycarbonates	Novomer	NOV-056-GCC	GCC 24491	Alternate Polycarbonate Polyol Methods	May 25, 2013	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-056-P1	US 61/651,254	Polyol methods using OH protecting groups	May 24, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-056-PCT	PCT/US13/042712	Polyol methods using OH protecting groups	May 24, 2013	Pending PCT	WO	2013177546
Polycarbonates	Novomer	NOV-056-KR	KR 10-2014-7036214	Polyol methods using OH protecting groups	May 24, 2013	Pending Int'l Korea	KR	

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Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Publication No.
Polycarbonates	Novomer	NOV-056-CN	CN 2013-80039478	Polyol methods using OH protecting groups	May 24, 2013	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-056-EP	EP 13793633.2	Polyol methods using OH protecting groups	May 24, 2013	Pending Int'l Europe	EP	
Polycarbonates	Novomer	NOV-056-US	9,388,277	Polyol methods using OH protecting groups	July 12, 2016	Issued US	US	9388277
Polycarbonates	Novomer	NOV-056-US-cont	US 15/191,901	Polyol methods using OH protecting groups	June 24, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-056-IN	IN 9110/CHENP/2014	Polyol methods using OH protecting groups	December 18, 2014	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-056-JP	JP 2015-514236	Polyol methods using OH protecting groups	May 24, 2013	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-056-GCC	GCC 25201	Gen-III catalysts	August 24, 2013	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-058-P1	US 61/693,000	Gen-III catalysts	August 24, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-058-PCT	PCT/US13/056102	Gen-III catalysts	August 22, 2013	Converted PCT	WO	2014031811
Polycarbonates	Novomer	NOV-058-US	US 14/422,780	Gen-III catalysts	February 20, 2015	Pending US	US	20150232496
Polycarbonates	Novomer	NOV-058-KR	KR 10-2015-7007284	Gen-III catalysts	August 22, 2013	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-058-EP	EP 13830629.5	Gen-III catalysts	August 22, 2013	Pending Int'l Europe	EP	
Polycarbonates	Novomer	NOV-058-CN	CN 201380053750.9	Gen-III catalysts	August 22, 2013	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-058-IN	IN 1574/CHENP/2015	Gen-III catalysts	August 22, 2013	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-058-JP	JP 2015-528642	Gen-III catalysts	August 22, 2013	Pending Int'l Japan	JP	
Polycarbonates	Novomer	NOV-060-P1	US 61/723,627	High Strength Polyurethane Foams	November 7, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-060-P2	US 61/731,723	High Strength Polyurethane Foams	November 30, 2012	Converted Provisional	US	
Polycarbonates	Novomer	NOV-060-P3	US 61/758,500	High Strength Polyurethane Foams	January 30, 2013	Converted Provisional	US	
Polycarbonates	Novomer	NOV-060-PCT	PCT/US13/68932	High Strength Polyurethane Foams	November 7, 2013	Converted PCT	US	2014074706
Polycarbonates	Novomer	NOV-060-US	9,512,259	High Strength Polyurethane Foams	December 6, 2016	Issued US	US	9512259
Polycarbonates	Novomer	NOV-060-US-cont	US 15/368,110	High Strength Polyurethane Foams	December 2, 2016	Pending US	US	
Polycarbonates	Novomer	NOV-060-CN	CN 201380069670.2	High Strength Polyurethane Foams	November 7, 2013	Pending Int'l China	CN	105229047
Polycarbonates	Novomer	NOV-060-EP	EP 13853024.1	High Strength Polyurethane Foams	November 7, 2013	Pending Int'l Europe	EP	2917257
Polycarbonates	Novomer	NOV-060-GCC	GCC 25758	High Strength Polyurethane Foams	November 7, 2013	Pending Gulf Coop	GCC	
Polycarbonates	Novomer	NOV-060-IN	IN 2866/CHENP/2015	High Strength Polyurethane Foams	May 18, 2015	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-060-JP	JP 2015-540913	High Strength Polyurethane Foams	November 7, 2013	Pending Int'l Japan	JP	2015-535020
Polycarbonates	Novomer	NOV-060-KR	KR 10-2015-7015010	High Strength Polyurethane Foams	November 7, 2013	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-063-P1	US 61/822,602	Polyurethane foam methods	May 13, 2013	Converted Provisional	US	
Polycarbonates	Novomer	NOV-063-PCT	PCT/14US/37903	Polyurethane foam methods	May 13, 2014	Pending PCT	WO	2014186397
Polycarbonates	Novomer	NOV-063-US	US 14/890,662	Polyurethane foam methods	November 12, 2015	Pending US	US	20160115288
Polycarbonates	Novomer	NOV-063-CN	CN 201480035886.1	Polyurethane foam methods	May 13, 2014	Pending Int'l China	CN	105518043
Polycarbonates	Novomer	NOV-063-EP	EP 14797346.5	Polyurethane foam methods	May 13, 2014	Pending Int'l Europe	EP	3004196
Polycarbonates	Novomer	NOV-063-HK	HK 16111514.6	Polyurethane foam methods	May 13, 2014	Pending Int'l Hong Kong	HK	
Polycarbonates	Novomer	NOV-063-IN	IN 7573/CHENP/2015	Polyurethane foam methods	December 10, 2015	Pending Int'l India	IN	
Polycarbonates	Novomer	NOV-063-JP	JP 2016-514044	Polyurethane foam methods	May 13, 2014	Pending Int'l Japan	JP	2016-519200
Polycarbonates	Novomer	NOV-063-KR	KR 10-2015-7035128	Polyurethane foam methods	May 13, 2014	Pending Int'l Korea	KR	
Polycarbonates	Novomer	NOV-063-SA	SA 515370139	Polyurethane foam methods	May 13, 2014	Pending Int'l SA	SA	
Polycarbonates	Novomer	NOV-066-P1	US 61/974,500	End-capped Polyol Compositions	April 3, 2014	Converted Provisional	US	
Polycarbonates	Novomer	NOV-066-PCT	PCT/US15/24299	End-capped Polyol Compositions	April 3, 2015	Pending PCT	WO	2015154061
Polycarbonates	Novomer	NOV-066-CN		End-capped Polyol Compositions	April 3, 2015	Pending Int'l China	CN	
Polycarbonates	Novomer	NOV-066-EP	EP 15717360.0	End-capped Polyol Compositions	April 3, 2015	Pending Int'l Europe	EP	
Polycarbonates	Novomer	NOV-066-IN	IN 201647037213	End-capped Polyol Compositions	April 3, 2015	Pending Int'l India	IN	
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Technology	Owner	Docket No.	Patent or Application No.	Description	Filing or Issue Date	Status	Country	Publication No.
Polycarbonates	Novomer	NOV-066-KR	KR 10-2016-7030077	End-capped Polyol Compositions	April 3, 2015	Pending Int'l Extens	KR	
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