

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4642168

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SOLVAY USA INC	07/11/2016
RECEIVING PARTY DATA		
Name:	NISSAN CHEMICAL INDUSTRIES, LTD.	
Street Address:	7-1, KANDA-NISHIKI-CHO 3-CHOME	
Internal Address:	CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	101-0054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15566796
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	34906-006US	
NAME OF SUBMITTER:	LINDA KENAH	
SIGNATURE:	/Linda Kenah/	
DATE SIGNED:	10/16/2017	
Total Attachments: 7		
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REEL: 043872 FRAME: 0985

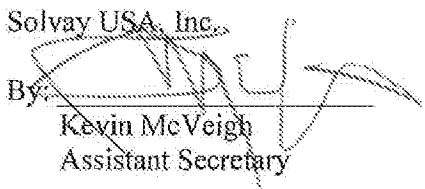
ASSIGNMENT OF PATENTS

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Solvay USA Inc. ("Seller"), a company duly organized and existing under the laws of Delaware, USA and having its principal place of business at 504 Carnegie Center, Princeton, NJ 08540 USA (formerly, 8 Cedar Brook Drive, Cranbury, NJ 08512, USA), hereby sells, assigns, transfers, and conveys to Nissan Chemical Industries, Ltd. ("Buyer"), a Japanese corporation, located at 7-1, Kanda-Nishiki-cho 3-chome, Chiyoda-ku, Tokyo 101-0054, Japan, pursuant to the Patent and Know-How Purchase Agreement dated June 29, 2016, by and among Solvay SA, Seller, Solvay Korea Co., Ltd. and Buyer, all of Seller's right, title, and interest in and to the patents and patent applications set forth on Annex 1, attached hereto and incorporated by this reference herein, together with all claims and causes of action with respect to any of the foregoing, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, misappropriation, violation, breach, or default, and all other rights, privileges, and protections of any kind whatsoever of Seller accruing under any of the foregoing provided by any applicable law, treaty, or other international convention.

Seller hereby authorizes the Commissioner for Patents in the Japan Patent Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Assignment of Patents upon request by Buyer.

IN WITNESS WHEREOF, the undersigned has caused this Assignment of Patents to be executed on this 11th day of July, 2016 by its duly authorized officer.

Solvay USA, Inc.

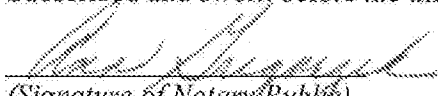
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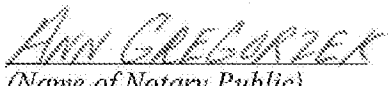
Kevin McVeigh
Assistant Secretary

State of New Jersey)

County of Mercer)

Subscribed and sworn before me this 11 day of July, 2016 by Kevin McVeigh.


(Signature of Notary Public)


(Name of Notary Public)

Notary Public of the State of New Jersey

ANN GREGORZEK
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES
SEPTEMBER 15, 2016

(seal)

PATENT

REEL: 043872 FRAME: 0986

Annex 1

Ref.	Country	Filing date	Filing number	Publication date	Publication number	Grant date	Grant number	Owner name
68	BE	26 sept 2005	05798311.6	11 Jul 2007	EP1805826A	24 mars 2010	EP1805826B	SOLVAY USA INC
100	BE	27 Feb 2009	09717477.5	17 nov 2010	EP2250207A	04 janv 2012	EP2250207B	SOLVAY USA INC
2	CA	10 Apr 2009	2720694	15 oct 2009	CA2720694A			SOLVAY USA INC
87	CA	13 Jul 2007	2658181	19 Jun 2008	CA2658181A	06 janv 2015	CA2658181C	SOLVAY USA INC
3	CN	10 Apr 2009	201210320957.5	02 janv 2013	CN102850728A	22 Jul 2015	CN102850728B	SOLVAY USA INC
15	CN	10 May 2011	2011800022550.8	16 janv 2013	CN102884102A			SOLVAY USA INC
22	CN	01 Jul 2011	2011800030152.0	06 mars 2013	CN102959009A			SOLVAY USA INC
23	CN	01 Jul 2011	2011800030059.X	06 mars 2013	CN102959008A			SOLVAY USA INC
35	CN	03 oct 2012	2012800057616.1	30 Jul 2014	CN103959392A			SOLVAY USA INC
78	CN	09 Feb 2006	200680007564.1	24 mars 2010	CN101679714A	06 mars 2013	CN101679714B	SOLVAY USA INC
88	CN	13 Jul 2007	2007800034724.6	21 oct 2009	CN101563388A	15 May 2013	CN101563388B	SOLVAY USA INC
138	CN	29 Jun 2012	2012800041553.0	07 May 2014	CN103781845A			SOLVAY USA INC
191	CN	19 oct 2012	2012800061750.9	13 Aug 2014	CN103987735A			SOLVAY USA INC
4	DE	10 Apr 2009	09730200.4	26 janv 2011	EP2276788A	27 Aug 2014	EP2276788B	SOLVAY USA INC
59	DE	26 sept 2005	05798311.6	11 Jul 2007	EP1805826A	24 mars 2010	EP1805826B	SOLVAY USA INC
101	DE	27 Feb 2009	09717477.5	17 nov 2010	EP2250207A	04 janv 2012	EP2250207B	SOLVAY USA INC
110	DE	05 mars 2009	09717006.2	08 Dec 2010	EP2257594A	12 nov 2014	EP2257594B	SOLVAY USA INC
118	DE	09 Jun 2009	09763455.4	09 mars 2011	EP2291427A	30 mars 2016	EP2291427B	SOLVAY USA INC
131	DE	17 nov 2009	09764124.5	17 Aug 2011	EP2356168A	27 May 2015	EP2356168B	SOLVAY USA INC
181	DE	26 oct 2009	09752578.6	03 Aug 2011	EP2350166A	6-janv-16	EP2350166B	SOLVAY USA INC
5	EP	10 Apr 2009	14002951.3	25 mars 2015	EP2851383A			SOLVAY USA INC
16	EP	10 May 2011	11720688.8	20 mars 2013	EP2569347A			SOLVAY USA INC
24	EP	01 Jul 2011	11743391.2	08 May 2013	EP2588527A			SOLVAY USA INC
36	EP	03 oct 2012	12775859.7	13 Aug 2014	EP2764518A			SOLVAY USA INC
40	EP	14 May 2013	13726932.0	25 mars 2015	EP2850668A			SOLVAY USA INC
79	EP	09 Feb 2006	06720500.5	07 nov 2007	EP1851048A	29-jun-16	EP1851048B	SOLVAY USA INC
89	EP	13 Jul 2007	07870722.1	22 Apr 2009	EP2049582A			SOLVAY USA INC
90	EP	13 Jul 2007	12005186.7	26 Dec 2012	EP2537874A			SOLVAY USA INC

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Ref.	Country	Filing date	Filing number	Publication date	Publication number	Grant date	Grant number	Owner name
119	EP	09 Jun 2009	09763455.4	09 mars 2011	EP2291427A	30 mars 2016	EP2291427B	SOLVAY USA INC
124	EP	26 oct 2009	09744289.1	03 Aug 2011	EP2350216A			SOLVAY USA INC
139	EP	29 Jun 2012	12737409.8	14 May 2014	EP2729532A			SOLVAY USA INC
188	EP	17 Dec 2010	10796257.3	24 oct 2012	EP2513187A			SOLVAY USA INC
192	EP	19 oct 2012	12780380.7	27 Aug 2014	EP2768858A			SOLVAY USA INC
6	FR	10 Apr 2009	09730200.4	26 Janv 2011	EP2276788A	27 Aug 2014	EP2276788B	SOLVAY USA INC
70	FR	26 sept 2005	05798311.6	11 Jul 2007	EP1805826A	24 mars 2010	EP1805826B	SOLVAY USA INC
102	FR	27 Feb 2009	09717477.5	17 nov 2010	EP2250307A	04 Janv 2012	EP2250307B	SOLVAY USA INC
111	FR	05 mars 2009	09717006.2	08 Dec 2010	EP2257594A	12 nov 2014	EP2257594B	SOLVAY USA INC
120	FR	09 Jun 2009	09763455.4	09 mars 2011	EP2291427A	30 mars 2016	EP2291427B	SOLVAY USA INC
132	FR	17 nov 2009	09764124.5	17 Aug 2011	EP2356168A	27 May 2015	EP2356168B	SOLVAY USA INC
182	FR	26 oct 2009	09752578.6	03 Aug 2011	EP2350166A	6-janv-16	EP2350166B	SOLVAY USA INC
7	GB	10 Apr 2009	09730200.4	26 Janv 2011	EP2276788A	27 Aug 2014	EP2276788B	SOLVAY USA INC
71	GB	26 sept 2005	05798311.6	11 Jul 2007	EP1805826A	24 mars 2010	EP1805826B	SOLVAY USA INC
103	GB	27 Feb 2009	09717477.5	17 nov 2010	EP2250207A	04 Janv 2012	EP2250207B	SOLVAY USA INC
112	GB	05 mars 2009	09717006.2	08 Dec 2010	EP2257594A	12 nov 2014	EP2257594B	SOLVAY USA INC
121	GB	09 Jun 2009	09763455.4	09 mars 2011	EP2291427A	30 mars 2016	EP2291427B	SOLVAY USA INC
133	GB	17 nov 2009	09764124.5	17 Aug 2011	EP2356168A	27 May 2015	EP2356168B	SOLVAY USA INC
183	GB	26 oct 2009	09752578.6	03 Aug 2011	EP2350166A	6-janv-16	EP2350166B	SOLVAY USA INC
8	HK	10 Apr 2009	13101698.8	14 Jun 2013	HK1174656A			SOLVAY USA INC
17	HK	07 Feb 2013	13101765.6	21 Jun 2013	HK1174934A			SOLVAY USA INC
25	HK	01 Jul 2011	13108706.3	08 nov 2013	HK1181414A			SOLVAY USA INC
26	HK	01 Jul 2011	13108705.4	08 nov 2013	HK1181413A			SOLVAY USA INC
41	HK	25 sept 2015	15109448.2	11 mars 2016	HK1208764A			SOLVAY USA INC
91	HK	13 Jul 2007	10100826.8	23 Jul 2010	HK1137188A	14 Feb 2014	HK1137188	SOLVAY USA INC
92	IL	13 Jul 2007	196622	18 nov 2009	IL196622	29 May 2013	IL196622A	SOLVAY USA INC
9	JP	10 Apr 2009	2011-504213	26 May 2011	JP2011-516695A	23-janv-15	JP5683020B	SOLVAY USA INC
18	JP	10 May 2011	2013-510236	24 Jun 2013	JP2013-526636A	03 Jul 2015	JP5770268B	SOLVAY USA INC

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Ref.	Country	Filing date	Filing number	Publication date	Publication number	Grant date	Grant number	Owner name
27	JP	01 Jul 2011	2013-518773	19 sept 2013	JP2013-536570A			SOLVAY USA INC
28	JP	01 Jul 2011	2013-518772	03 oct 2013	JP2013-537682A			SOLVAY USA INC
37	JP	03 oct 2012	2014-534536	12 Feb 2015	JP2015-504446A			SOLVAY USA INC
72	JP	26 sept 2005	2007-533635	08 May 2008	JP2008-515194A	20 Jul 2012	JP50415358	SOLVAY USA INC
80	JP	09 Feb 2006	2007-555192	21 Aug 2008	JP2008-539701A	20 Apr 2012	JP49756488	SOLVAY USA INC
93	JP	13 Jul 2007	2009-520771	18 Feb 2010	JP2010-505005A	11 sept 2013	JP52849568	SOLVAY USA INC
104	JP	27 Feb 2009	2010-548920	28 Apr 2011	JP2011-513977A	30 janv 2015	JP56863418	SOLVAY USA INC
113	JP	05 mars 2009	2010-549899	28 Apr 2011	JP2011-513556A	13 Feb 2015	JP56910298	SOLVAY USA INC
125	JP	26 oct 2009	2011-533406	22 mars 2012	JP2012-507151A	10 Jul 2015	JP57744848	SOLVAY USA INC
134	JP	17 nov 2009	2011-536609	19 Apr 2012	JP2012-509278A	10 Jul 2015	JP57749968	SOLVAY USA INC
140	JP	29 Jun 2012	2014-519182	02 oct 2014	JP2014-526144A			SOLVAY USA INC
184	JP	26 oct 2009	2011533415	22 mars 2012	JP2012-506923A	05 Dec 2014	JP55581613	SOLVAY USA INC
193	JP	19 oct 2012	2014-537332	20 nov 2014	JP2014-530940A			SOLVAY USA INC
10	KR	10 Apr 2009	10-2010-7024707	25 janv 2011	KR2011-0008077A			SOLVAY USA INC
19	KR	10 May 2011	10-2012-7031717	16 oct 2013	KR2013-0113930A			SOLVAY USA INC
29	KR	01 Jul 2011	10-2013-7001889	23 Apr 2013	KR2013-0040729A			SOLVAY USA INC
30	KR	01 Jul 2011	10-2013-7001890	29 Apr 2013	KR2013-0043169A			SOLVAY USA INC
38	KR	03 oct 2012	10-2014-7011895	14 Jul 2014	KR2014-0089364A			SOLVAY USA INC
73	KR	23 janv 2013	10-2013-7001837	12 mars 2013	KR2013-0025946A	10 Dec 2014	KR101473220B	SOLVAY USA INC
74	KR	26 sept 2005	10-2007-7009138	14 sept 2007	KR2007-0092951A	23 May 2013	KR101289256B	SOLVAY USA INC
81	KR	21 mars 2013	10-2013-7007223	31 May 2013	KR2013-0057473A	27 sept 2013	KR101314985B	SOLVAY USA INC
82	KR	09 Feb 2006	10-2007-7020585	16 nov 2007	KR2007-0110343A	27 sept 2013	KR101314877B	SOLVAY USA INC
94	KR	13 Jul 2007	10-2009-7003476	30 Apr 2009	KR2009-0042800A	05 oct 2015	KR101559590B	SOLVAY USA INC
105	KR	27 Feb 2009	10-2010-7021565	02 Dec 2010	KR2010-0126768A	15 mars 2016	KR101605213B	SOLVAY USA INC
114	KR	05 mars 2009	10-2010-7021700	16 Dec 2010	KR2010-0132014A			SOLVAY USA INC
126	KR	26 oct 2009	10-2011-7011519	04 Aug 2011	KR2011-0089142A			SOLVAY USA INC
135	KR	17 nov 2009	10-2011-7010677	02 Aug 2011	KR2011-0087283A			SOLVAY USA INC
141	KR	29 Jun 2012	10-2014-7003055	22 Apr 2014	KR2014-0047696A			SOLVAY USA INC

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185	KR	26 oct 2009	10-2011-7009489	07 Jul 2011	KR2011-0079679A			SOLVAY USA INC
189	KR	17 Dec 2010	10-2012-7017874	26 sept 2012	KR2012-0106795A			SOLVAY USA INC
194	KR	19 oct 2012	10-2014-7012813	28 Jul 2014	KR2014-0093679A			SOLVAY USA INC
83	MY	10 Feb 2006	P120060573	10 Aug 2006	MY140651A	15 janv 2010	MY140651A	SOLVAY USA INC
11	NL	10 Apr 2009	09730200.4	26 janv 2011	EP2276788A	27 Aug 2014	EP2276788B	SOLVAY USA INC
75	NL	26 sept 2005	05798311.6	11 Jul 2007	EP1805826A	24 mars 2010	EP1805826B	SOLVAY USA INC
106	NL	27 Feb 2009	09717477.5	17 nov 2010	EP2250207A	04 janv 2012	EP2250207B	SOLVAY USA INC
115	NL	05 mars 2009	09717006.2	08 Dec 2010	EP2257594A	12 nov 2014	EP2257594B	SOLVAY USA INC
122	NL	09 Jun 2009	09763455.4	09 mars 2011	EP2291427A	30 mars 2016	EP2291427B	SOLVAY USA INC
136	NL	17 nov 2009	09764124.5	17 Aug 2011	EP2356168A	27 May 2015	EP2356168B	SOLVAY USA INC
12	SG	10 Apr 2009	2010072551	29 nov 2010	SG165476A	11-nov-14	SG165476	SOLVAY USA INC
76	SG	26 sept 2005	2009063520	29 oct 2009	SG155966A	31 May 2011	SG155966	SOLVAY USA INC
84	SG	09 Feb 2006	2007057839	28 sept 2007	SG134607A	26 Feb 2010	SG134607	SOLVAY USA INC
95	SG	13 Jul 2007	2009004011	27 Feb 2009	SG149470A	15 Aug 2011	SG149470	SOLVAY USA INC
20	TW	10 May 2011	100116358	01 janv 2012	TW201200537A			SOLVAY USA INC
31	TW	01 Jul 2011	100123462	16 Jun 2012	TW201223927A			SOLVAY USA INC
85	TW	10 Feb 2006	95104614	16 Dec 2006	TW200642847A	11 mars 2013	TW388432B	SOLVAY USA INC
96	TW	20 Jul 2007	96126688	16 Jul 2008	TW200829647A	21 janv 2015	TW147024B	SOLVAY USA INC
195	TW	19 oct 2012	101138791	01 Jul 2013	TW201326251a			SOLVAY USA INC
1	US	31 Jul 2006	11/496024	22 mars 2007	US20070065590A	15 Feb 2011	US7888427B	SOLVAY USA INC
13	US	05 Aug 2014	14/452233	29 janv 2015	US20150028322A			SOLVAY USA INC
14	US	10 Apr 2009	12/422159	15 oct 2009	US20090256117A	21-oct-14	US8865025B	SOLVAY USA INC
21	US	10 May 2011	13/104598	17 nov 2011	US20110278559A	18-mars-14	US8674047B	SOLVAY USA INC
32	US	23 Apr 2013	13/869924	26 Dec 2013	US20130344648A	26 Aug 2014	US8815639B	SOLVAY USA INC
33	US	01 Jul 2011	13/175710	05 janv 2012	US20120001127A			SOLVAY USA INC
34	US	01 Jul 2011	13/175714	05 janv 2012	US20120003790A	17-sept-13	US8535974B	SOLVAY USA INC
39	US	03 oct 2012	13/573676	18 Apr 2013	US20130092887A			SOLVAY USA INC
42	US	14 May 2013	13/894412	05 Dec 2013	US20130324716A	18 Aug 2015	US9112157B	SOLVAY USA INC

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Ref.	Country	Filing date	Filing number	Publication date	Publication number	Grant date	Grant number	Owner name
77	US	26 sept 2005	11/234374	13 Apr 2005	US20060078761A	30 Dec 2014	US8920939B	SOLVAY USA INC
86	US	09 Feb 2006	11/350271	10 Aug 2006	US20060175582A	04 Aug 2009	US7569159B	SOLVAY USA INC
97	US	15 Feb 2013	13/768967	27 Feb 2014	US20140054509A	03 Feb 2015	US8946378B	SOLVAY USA INC
98	US	12 Aug 2011	13/209210	16 Feb 2012	US20120037852A	19 mars 2013	US8999604B	SOLVAY USA INC
99	US	13 Jul 2007	11/826394	09 oct 2008	US20080248313A	13 sept 2011	US8017241B	SOLVAY USA INC
107	US	25 Apr 2012	13/456125	01 nov 2012	US20120277367A	29 Apr 2014	US8709291B	SOLVAY USA INC
108	US	11 Apr 2014	14/251145	09 oct 2014	US20140299858A			SOLVAY USA INC
109	US	27 Feb 2009	12/895327	25 mars 2010	US20100072462A	29 May 2012	US8187501B	SOLVAY USA INC
116	US	13 Jun 2014	14/304770	30 oct 2014	US20140323637A			SOLVAY USA INC
117	US	05 mars 2009	12/395006	17 sept 2009	US20090230361A	29 Jul 2014	US8791451B	SOLVAY USA INC
123	US	09 Jun 2009	12/996766	23 Jun 2011	US20110147725A	09 Dec 2014	US8906520B	SOLVAY USA INC
127	US	09 Dec 2011	13/316324	05 Apr 2012	US20120083070A	26 Feb 2013	US8383454B	SOLVAY USA INC
128	US	29 Janv 2013	13/755262	22 Aug 2013	US20130214257A	06 May 2014	US8716706B	SOLVAY USA INC
129	US	14 mars 2014	14/212611	25 sept 2014	US20140284573A	20 oct 2015	US9166169B	SOLVAY USA INC
130	US	26 oct 2009	12/605768	06 May 2010	US20100109000A	17 Janv 2012	US8097876B	SOLVAY USA INC
137	US	17 nov 2009	12/620514	18 nov 2010	US20100292399A	09 oct 2012	US8283002B	SOLVAY USA INC
142	US	29 Jun 2012	13/539134	10 Janv 2013	US20130009137A			SOLVAY USA INC
180	US	16 nov 2005	11/274918	08 Jun 2006	US20060118901A	22 Janv-08	US7321133B	SOLVAY USA INC
186	US	31 Jul 2014	14/447809	20 nov 2014	US20140339532A			SOLVAY USA INC
187	US	26 oct 2009	12/606162	06 May 2010	US20100108954A	9-sept-14	US8828274B	SOLVAY USA INC
190	US	17 Dec 2010	13/516213	24 Janv 2013	US20130023621A	22-sept-15	US9139688B	SOLVAY USA INC
196	US	19 oct 2012	13/656561	02 May 2013	US20130109813A	14-oct-14	US8859718B	SOLVAY USA INC
197	US	05 sept 2013	14/019250	06 mars 2014	US20140061625A	14 Jul 2015	US9083006B	SOLVAY USA INC
200	US	17 Jul 2015	62/193973					SOLVAY USA INC
201	US	17 Jul 2015	62/194000					SOLVAY USA INC
202	US	28 Dec 2015	62/271743					SOLVAY USA INC
203	US	20 Janv 2016	62/280759					SOLVAY USA INC
66	WO	15 Dec 2015	US2015/065779					SOLVAY USA INC

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Ref.	Country	Filing date	Filing number	Publication date	Publication number	Grant date	Grant number	Owner name
67	WO	15 Dec 2015	US2015/065788					SOLVAY USA INC
198	WO	29 Feb 2016	US2016/020087					SOLVAY USA INC
199	WO	11 Apr 2016	US2016/026905					SOLVAY USA INC

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