

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3325867

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | DOW GLOBAL TECHNOLOGIES LLC | 02/02/2015 |
| RECEIVING PARTY DATA | | |
| Name: | ANGUS CHEMICAL COMPANY | |
| Street Address: | 1500 EAST LAKE COOK ROAD | |
| City: | BUFFALO GROVE | |
| State/Country: | ILLINOIS | |
| Postal Code: | 60089 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 14671005 |
| CORRESPONDENCE DATA | | |
| Fax Number: | (608)258-4258 | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | | |
| Phone: | 6082584303 | |
| Email: | ipdocketing@foley.com, jschuchart@foley.com | |
| Correspondent Name: | JOSEPH P MEARA | |
| Address Line 1: | FOLEY & LARDNER LLP | |
| Address Line 2: | 150 E GILMAN STREET | |
| Address Line 4: | MADISON, WISCONSIN 53703 | |
| ATTORNEY DOCKET NUMBER: | 109691-0550 | |
| NAME OF SUBMITTER: | JOSEPH P. MEARA | |
| SIGNATURE: | /Joseph P. Meara/ | |
| DATE SIGNED: | 04/24/2015 | |
| Total Attachments: 31 | | |
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PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment") is dated as of February 2, 2015 and entered into by and between Dow Global Technologies LLC (formerly Dow Global Technologies Inc.), a Delaware limited liability company, Rohm and Haas Company, a Delaware corporation (collectively, "Assignors"), and ANGUS Chemical Company, a Delaware corporation ("Assignee").

WHEREAS, The Dow Chemical Company, a Delaware corporation ("TDCC") and Aruba Investments, Inc., a Delaware corporation, entered into that certain Sale and Purchase Agreement dated as of November 12, 2014;

WHEREAS, Assignors are Affiliates of TDCC; and

WHEREAS, Assignors desire to assign all right, title and interest in and to the Assigned Patents (as defined below) and Assignee desires to acquire all of Assignors' right, title and interest in and to the Assigned Patents.

NOW, THEREFORE, in consideration of the foregoing, the mutual covenants set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

1. Assignment. Effective as of the date hereof, Assignors hereby sell, assign, transfer and convey to Assignee, and Assignee hereby purchases and accepts from Assignors, all of Assignors' right, title and interest in and to the patents and patent applications specifically listed in Exhibit A to this Assignment and the following properties and rights with respect to all patents and patent applications so listed in Exhibit A (collectively, the "Assigned Patents"):

- (a) the inventions claimed in the patents or applications;
- (b) any patents in the United States and anywhere else in the world and patent applications that have been or may be granted or filed, respectively, with respect to those inventions, including all foreign patents that may claim priority based on and correspond to the patents listed in Exhibit A;
- (c) all divisions, renewals, reissues, continuations, extensions, continuations-in-part or foreign equivalents of the foregoing patents or applications;
- (d) all rights to make application in the future to register or otherwise obtain legal protection for any of the foregoing;
- (e) all rights of priority under national laws and international conventions with respect to any of the foregoing;
- (f) all income, royalties, damages and payments now or hereafter due or payable in respect to any of the foregoing, including unpaid damages and payments for past, present and future infringement;

(g) all causes of action (either in law or equity), and the right to sue, counterclaim and recover for infringement with respect to any of the foregoing; and

(h) all other rights and privileges corresponding thereto.

2. Costs and Actions. Assignee shall be responsible for all costs and actions for transfer of patents and recordation of patent assignments.

3. Further Assurances. Assignors further agree that, without further consideration, they shall cause to be performed such other lawful acts, and to be executed such further assignments and other lawful documents and instruments, as Assignee may, from time to time, reasonably request to effect fully this Assignment and to permit Assignee to be duly recorded as the registered owner of the Assigned Patents.

4. Governing Law. This Assignment shall be governed exclusively by and construed and enforced exclusively in accordance with the internal laws of the State of Delaware without giving effect to the principles of conflicts of law thereof.

5. Counterparts. This Agreement may be executed in any number of counterparts (including by .pdf file exchanged via email or other electronic transmission), each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

6. Successors and Assigns. This Assignment shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.

7. Headings. The headings preceding the text of Sections included in this Assignment and the headings to Exhibits attached to this Assignment are for convenience only and shall not be deemed part of this Assignment or be given any effect in interpreting this Assignment.

* * * * *

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be executed and delivered as of the date first above written.

DOW GLOBAL TECHNOLOGIES LLC

By: 
Name: Valentina Zajac
Title: Authorized Representative

2040 Dow Center
Midland, Michigan 48674
United States of America

[Signature Page to Purchased Patent Assignment]

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PATENT
REEL: 035491 FRAME: 0376

ROHM AND HAAS COMPANY

By: 
Name: Valentina Zajac
Title: Authorized Representative

100 Independence Mall West
Philadelphia PA 19106-2399
United States of America

[Signature Page to Purchased Patent Assignment]

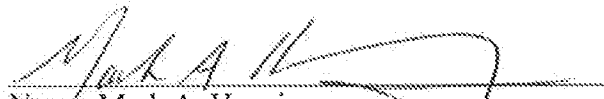
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PATENT
REEL: 035491 FRAME: 0377

Acknowledged and agreed:

ANGUS CHEMICAL COMPANY

By:


Name: Mark A. Henning
Title: President and Chief Executive Officer

[Signature Page to Purchased Patent Assignment]

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PATENT
REEL: 035491 FRAME: 0378

EXHIBIT A

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|----------------|
| 65391B-BR-PCT | BR | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 12/13/2007 | PI0720337.3 | (blank) | (blank) | (blank) | (blank) |
| 65391B-CN-PCT | CN | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 12/13/2007 | 200780049683.8 | 01/20/2010 | 101631457 | 09/25/2013 | 200780049683.8 |
| 65391B-EP-EPT | EP | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 12/13/2007 | 07869202.7 | 11/18/2009 | 2117300 | (blank) | (blank) |
| 65391B-JP-PCD | JP | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 01/09/2014 | 2014-002600 | (blank) | 2014-111611 | (blank) | (blank) |
| 65391B-JP-PCT | JP | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 12/13/2007 | 2009-545551 | 05/13/2010 | 2010-515731 | 7/4/2014 | JP5570816 |
| 65391B-TW-NP | TW | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 01/11/2008 | 97101152 | 11/16/2008 | 200843637 | (blank) | (blank) |
| 65391B-US-PCT | US | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 12/13/2007 | 12/521825 | 04/15/2010 | 2010-0093736 | (blank) | (blank) |
| 65477-US-NP | US | PROCESS FOR PREPARING ISOXAZOLE COMPOUNDS | 08/12/2009 | 12/539681 | 02/25/2010 | 2010-0048910 | 10/25/2011 | 8044214 |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 65666A-BR-PCT | BR | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | PI0907297.7 | (blank) | (blank) | (blank) | (blank) |
| 65666A-CA-PCT | CA | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | 2720646 | (blank) | (blank) | (blank) | (blank) |
| 65666A-CN-PCT | CN | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | 200980112776.X | 03/30/2011 | 101998948 | (blank) | (blank) |
| 65666A-EP-EPT | EP | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | 09733490.8 | 02/09/2011 | 2280927 | (blank) | (blank) |
| 65666A-IN-PCT | IN | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | 6579/CHENP/2010 | 06/24/2011 | 6579/CHENP/2010 | (blank) | (blank) |
| 65666A-JP-PCT | JP | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | 2011-505090 | 07/07/2011 | 2011-519363 | 01/10/2014 | 5451746 |
| 65666A-MX-PCT | MX | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | MX/a/2010/011394 | (blank) | (blank) | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|---|-------------|--------------------|------------------|--------------------|------------|----------------|
| 65666A-US-PCT | US | NITRATED HYDROCARBONS, DERIVATIVES AND PROCESSES FOR THEIR MANUFACTURE | 04/08/2009 | 12/934817 | 02/03/2011 | 2011-0028732 | (blank) | (blank) |
| 65681A-BR-PCT | BR | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | PI0907283.7 | (blank) | (blank) | (blank) | (blank) |
| 65681A-CA-PCT | CA | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 2720086 | (blank) | (blank) | (blank) | (blank) |
| 65681A-CN-PCT | CN | IMPROVED METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 200980113222.1 | 04/06/2011 | 102007094 | 09/18/2013 | 200980113222.1 |
| 65681A-DE-EPT | DE | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 09732706.8 | 02/09/2011 | 2280926 | 05/29/2013 | 602009016007.9 |
| 65681A-EP-EPT | EP | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 09732706.8 | 02/09/2011 | 2280926 | 05/29/2013 | 2280926 |
| 65681A-FR-EPT | FR | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 09732706.8 | 02/09/2011 | 2280926 | 05/29/2013 | 2280926 |

711083271 14451087

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| 65681A-GB-EPT | GB | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 09732706.8 | 02/09/2011 | 2280926 | 05/29/2013 | 2280926 |
| 65681A-IN-PCT | IN | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 6526/CHENP/2010 | 06/10/2011 | 6526/CHENP/2010 | (blank) | (blank) |
| 65681A-JP-PCT | JP | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 2011-505091 | 06/23/2011 | 2011-518161 | (blank) | (blank) |
| 65681A-MX-PCT | MX | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | MX/a/2010/011396 | (blank) | (blank) | (blank) | (blank) |
| 65681A-US-PCT | US | METHOD FOR ELIMINATING COLOR FORMING IMPURITIES FROM NITRO COMPOUNDS | 04/08/2009 | 12/934803 | 05/05/2011 | 2011-0105806 | 06/26/2012 | 8207382 |
| 66216-BR-NP | BR | LOW-VOC POLYAMINES | 12/26/2011 | PI1107063.3 | 06/11/2013 | PI1107063.3 | (blank) | (blank) |
| 66216-CA-NP | CA | LOW-VOC POLYAMINES | 11/22/2011 | 2759341 | 04/27/2012 | (blank) | 11/19/2013 | 2759341 |
| 66216-CN-NP | CN | LOW-VOC POLYAMINES | 12/21/2011 | 201110452598.4 | 07/18/2012 | 102584607 | (blank) | (blank) |
| 66216-EP-EPA | EP | LOW-VOC POLYAMINES | 11/23/2011 | 11190347.2 | 06/27/2012 | 2468713 | (blank) | (blank) |
| 66216-JP-NP | JP | LOW-VOC POLYAMINES | 11/22/2011 | 2011-254494 | 07/19/2012 | 2012-136508 | (blank) | (blank) |
| 66216-US-NP | US | LOW-VOC POLYAMINES | 12/13/2011 | 13/323920 | 06/28/2012 | 2012-0165463 | 10/16/2012 | 8288464 |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
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| 66217-BR-PCT | BR | AMINOALCOHOL COMPOUNDS, PRECURSORS, AND METHODS OF PREPARATION AND USE | 12/01/2010 | 1120120136674 | (blank) | (blank) | (blank) | (blank) |
| 66217-CN-PCT | CN | AMINOALCOHOL COMPOUNDS, PRECURSORS, AND METHODS OF PREPARATION AND USE | 12/01/2010 | 201080057573.8 | 09/26/2012 | 102656138 | (blank) | (blank) |
| 66217-EP-EPT | EP | AMINOALCOHOL COMPOUNDS, PRECURSORS, AND METHODS OF PREPARATION AND USE | 12/01/2010 | 10787649.2 | 10/24/2012 | 2513040 | (blank) | (blank) |
| 66217-JP-PCT | JP | AMINOALCOHOL COMPOUNDS, PRECURSORS, AND METHODS OF PREPARATION AND USE | 12/01/2010 | 2012-544581 | 04/25/2013 | 2013-514355 | (blank) | (blank) |
| 66217-US-NP | US | AMINOALCOHOL COMPOUNDS, PRECURSORS, AND METHODS OF PREPARATION AND USE | 12/01/2010 | 12/957958 | 06/23/2011 | 2011-0146536 | 07/09/2013 | 8480800 |
| 67211A-BR-PCT | BR | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009 | PI0908614.5 | (blank) | (blank) | (blank) | (blank) |
| 67211A-CN-PCT | CN | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009 | 200980116779.0 | 04/20/2011 | 102026542 | (blank) | (blank) |
| 67211A-EP-EPT | EP | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009 | 09747147.8 | 02/16/2011 | 2282634 | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
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| 67211A-JP-PCT | JP | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009 | 2011-509540 | 08/18/2011 | 2011-523640 | (blank) | (blank) |
| 67211A-KR-PCT | KR | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009 | 2010-7025484 | (blank) | 1020110006682 | (blank) | (blank) |
| 67211A-MX-PCT | MX | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009 | MX/a/2010/012453 | (blank) | (blank) | 01/04/2012 | 294203 |
| 67211A-US-PCT | US | AMINOALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009 | 12/988404 | 02/24/2011 | 2011-0046140 | 04/15/2014 | 8697754 |
| 67212-BR-PCT | BR | CORROSION AND MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS | 04/29/2009 | PI0908613.7 | (blank) | (blank) | (blank) | (blank) |
| 67212-CN-PCT | CN | CORROSION AND MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS | 04/29/2009 | 200980117555.1 | 04/20/2011 | 102026541 | 03/19/2014 | 200980117555.1 |
| 67212-EP-EPT | EP | CORROSION AND MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS | 04/29/2009 | 09747148.6 | 03/30/2011 | 2299811 | (blank) | (blank) |
| 67212-JP-PCT | JP | CORROSION AND MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS | 04/29/2009 | 2011-509541 | 07/28/2011 | 2011-522069 | (blank) | (blank) |
| 67212-KR-PCT | KR | CORROSION AND MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS | 04/29/2009 | 2010-7025488 | (blank) | 20110013398 | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
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| 67212-MX-PCT | MX | CORROSION AND MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS | 04/29/2009 | MX/a/2010/012447 | (blank) | (blank) | (blank) | (blank) |
| 67212-US-PCT | US | CORROSION AND MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS | 04/29/2009 | 12/988550 | 02/24/2011 | 2011-0041387 | 10/01/2013 | 8546386 |
| 67823-BR-PCT | BR | METHODS FOR REDUCING AIRBORNE FORMALDEHYDE | 10/08/2009 | PI0915268.7 | (blank) | (blank) | (blank) | (blank) |
| 67823-CA-PCT | CA | METHODS FOR REDUCING AIRBORNE FORMALDEHYDE | 10/08/2009 | 2742918 | (blank) | (blank) | (blank) | (blank) |
| 67823-EP-EPT | EP | METHODS FOR REDUCING AIRBORNE FORMALDEHYDE | 10/08/2009 | 09737502.6 | 08/24/2011 | 2358462 | (blank) | (blank) |
| 67823-IN-PCT | IN | METHODS FOR REDUCING AIRBORNE FORMALDEHYDE | 10/08/2009 | 3228/CHENP/2011 | 09/07/2012 | 3228/CHENP/2011 | (blank) | (blank) |
| 67823-MX-PCT | MX | METHODS FOR REDUCING AIRBORNE FORMALDEHYDE | 10/08/2009 | MX/a/2011/005174 | 10/24/2011 | MX/a/2011/005174 | (blank) | (blank) |
| 67823-US-NP | US | METHODS FOR REDUCING AIRBORNE FORMALDEHYDE | 10/08/2009 | 12/575495 | 05/20/2010 | 2010-0124524 | 08/07/2012 | 8236263 |
| 67830-BR-PCT | BR | PROCESS FOR NITROALKANE RECOVERY BY AQUEOUS PHASE RECYCLE TO NITRATION REACTOR | 09/10/2010 | 1120120091077 | (blank) | (blank) | (blank) | (blank) |
| 67830-CN-PCT | CN | PROCESS FOR NITROALKANE RECOVERY BY AQUEOUS PHASE RECYCLE TO NITRATION REACTOR | 09/10/2010 | 201080047308.1 | 07/11/2012 | 102574768 | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
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| 67830-EP-EPT | EP | PROCESS FOR NITROALKANE RECOVERY BY AQUEOUS PHASE RECYCLE TO NITRATION REACTOR | 09/10/2010 | 10755056.8 | 08/29/2012 | 2490997 | (blank) | (blank) |
| 67830-JP-PCT | JP | PROCESS FOR NITROALKANE RECOVERY BY AQUEOUS PHASE RECYCLE TO NITRATION REACTOR | 09/10/2010 | 2012-535207 | 03/07/2013 | 2013-508365 | (blank) | (blank) |
| 67830-US-DIV | US | PROCESS FOR NITROALKANE RECOVERY BY AQUEOUS PHASE RECYCLE TO NITRATION REACTOR | 04/01/2013 | 13/854491 | 08/22/2013 | 2013-0216443 | (blank) | (blank) |
| 67830-US-NP | US | PROCESS FOR NITROALKANE RECOVERY BY AQUEOUS PHASE RECYCLE TO NITRATION REACTOR | 09/10/2010 | 12/879824 | 04/21/2011 | 2011-0092748 | 04/30/2013 | 8431754 |
| 68073-BR-PCT | BR | POLYHYDROXY-DIAMINES AS LOW ODOR, LOW VOC MULTI-FUNCTIONAL ADDITIVES FOR PAINTS AND COATINGS | 04/28/2010 | PI1007083.4 | (blank) | (blank) | (blank) | (blank) |
| 68073-CN-PCT | CN | POLYHYDROXY-DIAMINES AS LOW ODOR, LOW VOC MULTI-FUNCTIONAL ADDITIVES FOR PAINTS AND COATINGS | 04/28/2010 | 201080018635.4 | 04/11/2012 | 102414165 | (blank) | (blank) |
| 68073-EP-EPT | EP | POLYHYDROXY-DIAMINES AS LOW ODOR, LOW VOC MULTI-FUNCTIONAL ADDITIVES FOR PAINTS AND COATINGS | 04/28/2010 | 10719492.0 | 03/07/2012 | 2424833 | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
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| 68073-JP-PCT | JP | POLYHYDROXY-DIAMINES AS LOW ODOR, LOW VOC MULTI-FUNCTIONAL ADDITIVES FOR PAINTS AND COATINGS | 04/28/2010 | 2012-508627 | 10/22/2012 | 2012-525401 | (blank) | (blank) |
| 68073-US-PCD | US | POLYHYDROXY-DIAMINES AS LOW ODOR, LOW VOC MULTI-FUNCTIONAL ADDITIVES FOR PAINTS AND COATINGS | 03/05/2014 | 14/197253 | 7/3/2014 | 2014-0187820 | (blank) | (blank) |
| 68073-US-PCD[2] | US | POLYHYDROXY-DIAMINES AS LOW ODOR, LOW VOC MULTI-FUNCTIONAL ADDITIVES FOR PAINTS AND COATINGS | 03/05/2014 | 14/197255 | (blank) | (blank) | 7/29/2014(blank) | 8790456(blank) |
| 68073-US-PCT | US | POLYHYDROXY-DIAMINES AS LOW ODOR, LOW VOC MULTI-FUNCTIONAL ADDITIVES FOR PAINTS AND COATINGS | 04/28/2010 | 13/263470 | 02/09/2012 | 2012-0035298 | 04/22/2014 | 8702859 |
| 68669-BR-PCT | BR | PROCESS FOR DOWNSTREAM RECOVERY OF NITROALKANE USING DIVIDING WALL COLUMN | 09/10/2010 | 1120120091042 | (blank) | (blank) | (blank) | (blank) |
| 68669-CN-PCT | CN | PROCESS FOR DOWNSTREAM RECOVERY OF NITROALKANE USING DIVIDING WALL COLUMN | 09/10/2010 | 201080047964.1 | 09/12/2012 | 102666470 | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|---|-------------|--------------------|------------------|--------------------|------------|--------------|
| 68669-EP-EPT | EP | PROCESS FOR DOWNSTREAM RECOVERY OF NITROALKANE USING DIVIDING WALL COLUMN | 09/10/2010 | 10768630.5 | 08/29/2012 | 2490998 | (blank) | (blank) |
| 68669-JP-PCT | JP | PROCESS FOR DOWNSTREAM RECOVERY OF NITROALKANE USING DIVIDING WALL COLUMN | 09/10/2010 | 2012-535205 | 03/07/2013 | 2013-508363 | (blank) | (blank) |
| 68669-US-DIV | US | PROCESS FOR DOWNSTREAM RECOVERY OF NITROALKANE USING DIVIDING WALL COLUMN | 03/08/2013 | 13/791244 | 07/25/2013 | 2013-0189164 | (blank) | (blank) |
| 68669-US-NP | US | PROCESS FOR DOWNSTREAM RECOVERY OF NITROALKANE USING DIVIDING WALL COLUMN | 09/10/2010 | 12/879814 | 04/21/2011 | 2011-0092749 | 04/02/2013 | 8410323 |
| 68945-BR-PCT | BR | HYDROCARBON FEED FLEXIBLE HIGH PRESSURE NITRATION PLANT DESIGN | 11/22/2010 | 1120120155881 | (blank) | (blank) | (blank) | (blank) |
| 68945-CN-PCT | CN | HYDROCARBON FEED FLEXIBLE HIGH PRESSURE NITRATION PLANT DESIGN | 11/22/2010 | 201080061242.1 | 10/17/2012 | 102741217 | (blank) | (blank) |
| 68945-EP-EPT | EP | HYDROCARBON FEED FLEXIBLE HIGH PRESSURE NITRATION PLANT DESIGN | 11/22/2010 | 10781579.7 | 10/31/2012 | 2516379 | (blank) | (blank) |
| 68945-JP-PCT | JP | HYDROCARBON FEED FLEXIBLE HIGH PRESSURE NITRATION PLANT DESIGN | 11/22/2010 | 2012-545972 | (blank) | (blank) | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|---|-------------|--------------------|------------------|--------------------|------------|--------------|
| 68945-US-DIV | US | HYDROCARBON FEED FLEXIBLE HIGH PRESSURE NITRATION PLANT DESIGN | 08/22/2013 | 13/973142 | 12/26/2013 | 2013-0343960 | (blank) | (blank) |
| 68945-US-NP | US | HYDROCARBON FEED FLEXIBLE HIGH PRESSURE NITRATION PLANT DESIGN | 11/22/2010 | 12/951800 | 06/30/2011 | 2011-0160496 | 10/15/2013 | 8558039 |
| 69490-BR-NP | BR | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 12/21/2010 | PI1005887.7 | 04/02/2013 | PI1005887.7 | (blank) | (blank) |
| 69490-CA-DIV | CA | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 10/01/2012 | 2791226 | (blank) | (blank) | 4/15/2014 | CA 2791226 C |
| 69490-CA-NP | CA | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 12/03/2010 | 2723348 | 06/22/2011 | (blank) | 7/8/2014 | CA 2723348 C |
| 69490-CN-NP | CN | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 12/21/2010 | 201010625131.0 | 11/23/2011 | 102249934 | (blank) | (blank) |
| 69490-EP-EPA | EP | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 12/08/2010 | 10194224.1 | 06/29/2011 | 2338872 | (blank) | (blank) |
| 69490-EP-EPD | EP | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 07/20/2012 | 12177238.8 | 10/31/2012 | 2518048 | (blank) | (blank) |
| 69490-IN-NP | IN | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 12/20/2010 | 3017/DEL/2010 | (blank) | (blank) | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|---|-------------|--------------------|------------------|--------------------|------------|----------------|
| 69490-MX-NP | MX | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 12/16/2010 | MX/a/2010/014000 | (blank) | (blank) | (blank) | (blank) |
| 69490-US-NP | US | NOVEL DIAMINO-ALCOHOL COMPOUNDS AND PROCESSES FOR THEIR MANUFACTURE | 12/15/2010 | 12/928583 | 06/23/2011 | 2011-0152574 | 04/15/2014 | 8697915 |
| 69491-BR-NP | BR | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/21/2010 | PI1005703-0 | 04/02/2013 | PI1005703-0 | (blank) | (blank) |
| 69491-CA-NP | CA | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/03/2010 | 2723509 | 06/22/2011 | (blank) | (blank) | (blank) |
| 69491-CN-NP | CN | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/21/2010 | 201010625166.4 | 11/23/2011 | 102250548 | (blank) | (blank) |
| 69491-DE-EPA | DE | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/08/2010 | 10194218.3 | 06/29/2011 | 2338941 | 03/20/2013 | 602010005576.0 |
| 69491-FR-EPA | FR | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/08/2010 | 10194218.3 | 06/29/2011 | 2338941 | 03/20/2013 | 2338941 |
| 69491-GB-EPA | GB | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/08/2010 | 10194218.3 | 06/29/2011 | 2338941 | 03/20/2013 | 2338941 |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|---|-------------|--------------------|------------------|--------------------|------------|----------------|
| 69491-IN-NP | IN | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/21/2010 | 3042/DEL/2010 | 11/08/2013 | 3042/DEL/2010 | (blank) | (blank) |
| 69491-MX-NP | MX | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/16/2010 | MX/a/2010/013992 | (blank) | (blank) | 07/25/2012 | 301679 |
| 69491-US-NP | US | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS | 12/16/2010 | 12/928673 | 06/23/2011 | 2011-0152401 | 07/22/2014 | 8785532 |
| 69492-BR-NP | BR | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | 12/21/2010 | PI1005890.7 | 04/02/2013 | PI1005890.7 | (blank) | (blank) |
| 69492-CA-NP | CA | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | 12/03/2010 | 2723359 | 06/11/2011 | (blank) | (blank) | (blank) |
| 69492-CN-NP | CN | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | 12/21/2010 | 201010618068.8 | 09/14/2011 | 102181044 | 07/10/2013 | 201010618068.8 |
| 69492-DE-EPA | DE | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | (blank) | (blank) | (blank) | (blank) | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 69492-EP-EPA | EP | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | 12/08/2010 | 10194226.6 | 07/06/2011 | 2341093 | 6/18/2014 | EP 2341093 |
| 69492-FR-EPA | FR | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | (blank) | (blank) | (blank) | (blank) | (blank) | (blank) |
| 69492-GB-EPA | GB | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | (blank) | (blank) | (blank) | (blank) | (blank) | (blank) |
| 69492-IN-NP | IN | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | 12/20/2010 | 3018/DEL/2010 | 10/04/2013 | 3018/DEL/2010 | (blank) | (blank) |
| 69492-MX-NP | MX | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | 12/16/2010 | MX/a/2010/013996 | (blank) | (blank) | (blank) | (blank) |
| 69492-US-NP | US | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN EXPOY RESINS | 12/15/2010 | 12/928600 | 06/23/2011 | 2011-0152407 | 09/03/2013 | 8524857 |
| 69524-BR-NP | BR | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/21/2010 | PI1004970.3 | 03/26/2013 | PI1004970.3 | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|------------------|
| 69524-CA-NP | CA | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/03/2010 | 2723493 | 06/22/2011 | (blank) | 08/06/2013 | 2723493 |
| 69524-CN-NP | CN | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/21/2010 | 201010625171.5 | 11/23/2011 | 102249607 | 11/13/2013 | 20101010625171.5 |
| 69524-DE-EPA | DE | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/08/2010 | 10194229.0 | 07/27/2011 | 2348073 | 06/06/2012 | 602010001833.4 |
| 69524-FR-EPA | FR | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/08/2010 | 10194229.0 | 07/27/2011 | 2348073 | 06/06/2012 | 2348073 |
| 69524-GB-EPA | GB | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/08/2010 | 10194229.0 | 07/27/2011 | 2348073 | 06/06/2012 | 2348073 |
| 69524-IN-NP | IN | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/20/2010 | 3019/DEL/2010 | (blank) | (blank) | (blank) | (blank) |
| 69524-MX-NP | MX | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/16/2010 | 2010-014001 | (blank) | (blank) | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 69524-US-NP | US | NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN HIGH SOLIDS MINERAL SLURRIES | 12/15/2010 | 12/928584 | 06/23/2011 | 2011-0147649 | 10/08/2013 | 8552072 |
| 70279-BR-PCT | BR | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | 12/22/2010 | 112013014722.9 | (blank) | (blank) | (blank) | (blank) |
| 70279-CA-PCT | CA | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | 12/22/2010 | 2819606 | (blank) | (blank) | (blank) | (blank) |
| 70279-CN-PCT | CN | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | 12/22/2010 | 201080070877.8 | 09/11/2013 | 103298892 | (blank) | (blank) |
| 70279-DE-EPT | DE | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | (blank) | (blank) | (blank) | (blank) | (blank) | (blank) |
| 70279-EP-EPT | EP | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | 12/22/2010 | 10805753.0 | 08/21/2013 | 2627720 | (blank) | (blank) |
| 70279-FR-EPT | FR | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | (blank) | (blank) | (blank) | (blank) | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 70279-GB-EPT | GB | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | (blank) | (blank) | (blank) | (blank) | (blank) | (blank) |
| 70279-JP-PCT | JP | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | 12/22/2010 | 2013-546082 | 02/13/2014 | 2014-503651 | (blank) | (blank) |
| 70279-US-PCT | US | DIAMINO ALCOHOLS AND STRONG BASE AS NEUTRALIZERS FOR LOW VOC COATING COMPOSITIONS | 12/22/2010 | 13/978962 | 01/30/2014 | 2014-0031470 | (blank) | (blank) |
| 70280-BR-PCT | BR | APPARATUS AND PROCESS FOR USING A NITROALKANE AS AN ENTRAINER FOR AZEOTROPIC REMOVAL OF WATER FROM AQUEOUS ACID SOLUTION | 12/07/2011 | 112013014210.3 | (blank) | (blank) | (blank) | (blank) |
| 70280-CN-PCT | CN | APPARATUS AND PROCESS FOR USING A NITROALKANE AS AN ENTRAINER FOR AZEOTROPIC REMOVAL OF WATER FROM AQUEOUS ACID SOLUTION | 12/07/2011 | 201180059764.2 | 09/25/2013 | 103328432 | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 70280-EP-EPT | EP | APPARATUS AND PROCESS FOR USING A NITROALKANE AS AN ENTRAINER FOR AZEOTROPIC REMOVAL OF WATER FROM AQUEOUS ACID SOLUTION | 12/07/2011 | 11802246.6 | 10/16/2013 | 2649039 | (blank) | (blank) |
| 70280-IN-PCT | IN | APPARATUS AND PROCESS FOR USING A NITROALKANE AS AN ENTRAINER FOR AZEOTROPIC REMOVAL OF WATER FROM AQUEOUS ACID SOLUTION | 12/07/2011 | 5315/CHENP/2013 | (blank) | (blank) | (blank) | (blank) |
| 70280-JP-PCT | JP | APPARATUS AND PROCESS FOR USING A NITROALKANE AS AN ENTRAINER FOR AZEOTROPIC REMOVAL OF WATER FROM AQUEOUS ACID SOLUTION | 12/07/2011 | 2013-542257 | (blank) | (blank) | (blank) | (blank) |
| 70280-US-PCT | US | APPARATUS AND PROCESS FOR USING A NITROALKANE AS AN ENTRAINER FOR AZEOTROPIC REMOVAL OF WATER FROM AQUEOUS ACID SOLUTION | 12/07/2011 | 13/990352 | 09/19/2013 | 2013-0245340 | (blank) | (blank) |
| 70659-BR-NP | BR | LOW-VOC POLYAMINO ALCOHOLS | 12/26/2011 | PI1106566.4 | (blank) | (blank) | (blank) | (blank) |
| 70659-CA-NP | CA | LOW-VOC POLYAMINO ALCOHOLS | 11/22/2011 | 2759346 | (blank) | (blank) | (blank) | (blank) |
| 70659-CN-NP | CN | LOW-VOC POLYAMINO ALCOHOLS | 12/21/2011 | 201110452600.8 | 07/18/2012 | 102584604 | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 70659-DE-EPA | DE | LOW-VOC POLYAMINO ALCOHOLS | 11/23/2011 | 11190358.9 | 06/27/2012 | 2468714 | 02/26/2014 | 2468714 |
| 70659-EP-EPA | EP | LOW-VOC POLYAMINO ALCOHOLS | 11/23/2011 | 11190358.9 | 06/27/2012 | 2468714 | 02/26/2014 | 2468714 |
| 70659-FR-EPA | FR | LOW-VOC POLYAMINO ALCOHOLS | 11/23/2011 | 11190358.9 | 06/27/2012 | 2468714 | 02/26/2014 | 2468714 |
| 70659-GB-EPA | GB | LOW-VOC POLYAMINO ALCOHOLS | 11/23/2011 | 11190358.9 | 06/27/2012 | 2468714 | 02/26/2014 | 2468714 |
| 70659-JP-DIV | JP | LOW-VOC POLYAMINO ALCOHOLS | 10/17/2013 | 2013-215958 | 03/06/2014 | 2014-040603 | (blank) | (blank) |
| 70659-JP-NP | JP | LOW-VOC POLYAMINO ALCOHOLS | 11/22/2011 | 2011-254495 | 07/19/2012 | 2012-136509 | 02/14/2014 | 5476358 |
| 70659-US-DIV | US | LOW-VOC POLYAMINO ALCOHOLS | 09/25/2013 | 14/036560 | 01/23/2014 | 2014-0020601 | 03/25/2014 | 8680338 |
| 70659-US-NP | US | LOW-VOC POLYAMINO ALCOHOLS | 12/12/2011 | 13/316716 | 06/28/2012 | 2012-0165521 | 11/05/2013 | 8575396 |
| 70817-BR-PCT | BR | DENDRIMERS AND METHODS FOR THEIR PREPARATION | 05/17/2012 | 112013031589.0 | (blank) | (blank) | (blank) | (blank) |
| 70817-CN-PCT | CN | DENDRIMERS AND METHODS FOR THEIR PREPARATION | 05/17/2012 | 201280029625.X | 03/12/2014 | 103635515 | (blank) | (blank) |
| 70817-EP-EPT | EP | DENDRIMERS AND METHODS FOR THEIR PREPARATION | 05/17/2012 | 12726519.7 | 02/26/2014 | 2699624 | (blank) | (blank) |
| 70817-IN-PCT | IN | DENDRIMERS AND METHODS FOR THEIR PREPARATION | 05/17/2012 | PCT/US12/038362 | (blank) | (blank) | (blank) | (blank) |
| 70817-JP-PCT | JP | DENDRIMERS AND METHODS FOR THEIR PREPARATION | 05/17/2012 | 2014-515829 | (blank) | (blank) | (blank) | (blank) |
| 70817-US-PCT | US | DENDRIMERS AND METHODS FOR THEIR PREPARATION | 05/17/2012 | 14/118620 | 04/17/2014 | 2014-0107376 | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 70953-BR-PCT | BR | APPARATUS AND PROCESS FOR NITRATION SELECTIVITY ENABLED BY AZEOTROPIC DISTILLATION | 04/05/2012 | 112013026747.0 | (blank) | (blank) | (blank) | (blank) |
| 70953-CN-PCT | CN | APPARATUS AND PROCESS FOR NITRATION SELECTIVITY ENABLED BY AZEOTROPIC DISTILLATION | 04/05/2012 | 201280018865.X | (blank) | (blank) | (blank) | (blank) |
| 70953-EP-EPT | EP | APPARATUS AND PROCESS FOR NITRATION SELECTIVITY ENABLED BY AZEOTROPIC DISTILLATION | 04/05/2012 | 12717519.8 | 02/26/2014 | 2699537 | (blank) | (blank) |
| 70953-IN-PCT | IN | APPARATUS AND PROCESS FOR NITRATION SELECTIVITY ENABLED BY AZEOTROPIC DISTILLATION | 04/05/2012 | 7881/CHENP/2013 | (blank) | (blank) | (blank) | (blank) |
| 70953-JP-PCT | JP | APPARATUS AND PROCESS FOR NITRATION SELECTIVITY ENABLED BY AZEOTROPIC DISTILLATION | 04/05/2012 | 2014-506439 | (blank) | (blank) | (blank) | (blank) |
| 70953-US-PCT | US | APPARATUS AND PROCESS FOR NITRATION SELECTIVITY ENABLED BY AZEOTROPIC DISTILLATION | 04/05/2012 | 14/007531 | 01/31/2014 | 2014-0031594 | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|---|-------------|--------------------|------------------|--------------------|------------|--------------|
| 71226-BR-PCT | BR | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 112014002106.6 | (blank) | (blank) | (blank) | (blank) |
| 71226-CN-PCT | CN | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 201280037540.6 | (blank) | 103717556 | (blank) | (blank) |
| 71226-EP-EPT | EP | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 12743596.4 | 04/09/2014 | 2714629 | (blank) | (blank) |
| 71226-JP-PCT | JP | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | PCT/US12/047817 | (blank) | JP2014-524964 | (blank) | (blank) |
| 71226-US-PCT | US | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 14/127403 | 8/21/2014 | 2014-0235776 | (blank) | (blank) |
| 71227-BR-PCT | BR | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 112014002100.7 | (blank) | (blank) | (blank) | (blank) |
| 71227-CN-PCT | CN | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 201280037563.7 | (blank) | 103717569 | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 71227-EP-EPT | EP | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 12741230.2 | 04/09/2014 | 2714644 | (blank) | (blank) |
| 71227-JP-PCT | JP | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | PCT/US12/047819 | (blank) | JP2014523923 | (blank) | (blank) |
| 71227-US-PCT | US | AMINOALCOHOL COMPOUNDS AND THEIR USE AS ZERO OR LOW VOC ADDITIVES FOR PAINTS AND COATINGS | 07/23/2012 | 14/127405 | 5/15/2014 | 2014-0130714 | (blank) | (blank) |
| 72754-IN-NP | IN | ALKYL HYDROXYLAMINE COMPOUNDS AND THEIR USE FOR SHORTSTOPPING FREE RADICAL POLYMERIZATIONS | 06/14/2012 | 1837/DEL/2012 | (blank) | (blank) | (blank) | (blank) |
| 72754-WO-PCT | WO | ALKYL HYDROXYLAMINE COMPOUNDS AND THEIR USE FOR SHORTSTOPPING FREE RADICAL POLYMERIZATIONS | 06/13/2013 | PCT/US13/045586 | 12/19/2013 | WO/2013/188632 | (blank) | (blank) |
| 73318-IN-NP | IN | ALKYL HYDROXYLAMINE COMPOUNDS AND THEIR USE FOR SHORTSTOPPING FREE RADICAL POLYMERIZATIONS | 09/28/2012 | 3054/DEL/2012 | (blank) | (blank) | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|--------------|
| 73318-WO-PCT | WO | ALKYL HYDROXYLAMINE COMPOUNDS AND THEIR USE FOR SHORTSTOPPING FREE RADICAL POLYMERIZATIONS | 09/23/2013 | PCT/US13/061108 | 04/03/2014 | WO/2014/052212 | (blank) | (blank) |
| 73393-AR-NP | AR | NITROFUNCTIONAL ACRYLATE COPOLYMERS FOR BINDER COMPOSITIONS | 12/12/2013 | 20130104661 | (blank) | (blank) | (blank) | (blank) |
| 73393-WO-PCT | WO | NITROFUNCTIONAL ACRYLATE COPOLYMERS FOR BINDER COMPOSITIONS | 11/13/2013 | PCT/US13/069802 | (blank) | WO 2014092914 | (blank) | (blank) |
| 73538-IN-NP | IN | DEHYDROLTION OF AMINOALCOHOLS TO ALKYLAMINES | 12/17/2012 | 3894/DEL/2012 | (blank) | (blank) | (blank) | (blank) |
| 73538-WO-PCT | WO | DEHYDROLTION OF AMINOALCOHOLS TO ALKYLAMINES | 11/21/2013 | PCT/US13/071265 | (blank) | WO 2014099248 | (blank) | (blank) |
| 73764-AR-NP | AR | AMINOALCOHOL COMPOUNDS AS LOW VOC FREE-THAW STABILIZERS FOR PAINTS AND COATINGS | 11/28/2013 | 20130104390 | (blank) | (blank) | (blank) | (blank) |
| 73764-IN-PSP | IN | AMINOALCOHOL COMPOUNDS AS LOW VOC FREE-THAW STABILIZERS FOR PAINTS AND COATINGS | 11/30/2012 | 5006/CHE/2012 | (blank) | (blank) | (blank) | (blank) |
| 73764-WO-PCT | WO | AMINOALCOHOL COMPOUNDS AS LOW VOC FREE-THAW STABILIZERS FOR PAINTS AND COATINGS | 10/29/2013 | PCT/US13/067244 | (blank) | WO 2014085010 | (blank) | (blank) |

711083271 14451087

| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
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| 73982-AR-NP | AR | NITROFUNCTIONAL POLYURETHANE DISPERSIONS FOR BINDER COMPOSITIONS | 12/05/2013 | 20130104517 | (blank) | (blank) | (blank) | (blank) |
| 73982-WO-PCT | WO | NITROFUNCTIONAL POLYURETHANE DISPERSIONS FOR BINDER COMPOSITIONS | 11/13/2013 | PCT/US13/069801 | (blank) | (blank) | (blank) | (blank) |
| 74121-WO-PCT | WO | SYNTHESIS OF (2-NITRO)ALKYL (METH)ACRYLATES VIA TRANSESTERIFICATION OF (METH)ACRYLATE ESTERS | 02/18/2014 | PCT/US14/016822 | (blank) | (blank) | (blank) | (blank) |
| 74134-WO-PCT | WO | PROCESS FOR PREPARING ALKYL PYROGLUTAMIC ACIDS | 12/20/2013 | PCT/US13/076930 | (blank) | WO 2014100591 | (blank) | (blank) |
| 74176-IN-NP | IN | DEHYDROXYLATION OF NITROALCOHOLS TO NITROALKANES | 12/17/2012 | 3892/DEL/2012 | (blank) | (blank) | (blank) | (blank) |
| 74176-WO-PCT | WO | DEHYDROXYLATION OF NITROALCOHOLS TO NITROALKANES | 11/21/2013 | PCT/US13/071262 | (blank) | WO 2014099246 | (blank) | (blank) |
| 75400-IN-PSP | IN | LOW VOC ISOXAZOLIDINE AS OPEN TIME EXTENDERS IN WATER BORNE PAINTS | 12/09/2013 | 5675/CHE/2013 | (blank) | (blank) | (blank) | (blank) |
| 75401-US-PSP | US | PROCESS TO PRODUCE N-METHYLHYDROXYLAMINE HYDROCHLORIDE | 11/27/2013 | 61/909541 | (blank) | (blank) | (blank) | (blank) |
| 76078-IN-NP | IN | OXAZOLINE COMPOUNDS AS OPEN-TIME EXTENDERS FOR LATEX PAINTS | 04/01/2014 | 951/DEL/2014 | (blank) | (blank) | (blank) | (blank) |
| AMA02078-BR-PCT | BR | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 112012007986.7 | (blank) | (blank) | (blank) | (blank) |
| AMA02078-CA-PCT | CA | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 2775388 | (blank) | (blank) | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|-----------------|---------|--|-------------|--------------------|------------------|--------------------|------------|----------------|
| AMA02078-CN-PCT | CN | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 201080044986.2 | 10/03/2012 | 102712567 | (blank) | (blank) |
| AMA02078-DE-EPT | DE | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 10765729.8 | 06/20/2012 | 2464621 | 06/05/2013 | 602010007715.2 |
| AMA02078-FR-EPT | FR | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 10765729.8 | 06/20/2012 | 2464621 | 06/05/2013 | 2464621 |
| AMA02078-GB-EPT | GB | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 10765729.8 | 06/20/2012 | 2464621 | 06/05/2013 | 2464621 |
| AMA02078-JP-PCT | JP | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 2012-533352 | 03/04/2013 | 2013-507388 | (blank) | (blank) |
| AMA02078-US-PCT | US | METHOD FOR PREPARING POLYAMINE COMPOUNDS | 10/08/2010 | 13/500449 | 08/09/2012 | 2012-0202934 | 04/08/2014 | 8692031 |
| AMA02081-BR-NP | BR | Process for Producing Nitroalcohols | 12/29/2010 | PI1004024-2 | (blank) | (blank) | (blank) | (blank) |
| AMA02081-CN-NP | CN | Process for Producing Nitroalcohols | 11/04/2010 | 201010544183.5 | 05/11/2011 | 102050741A | (blank) | (blank) |
| AMA02081-DE-EPA | DE | Process for Producing Nitroalcohols | 10/20/2010 | 10188169.6 | 05/11/2011 | 2319823 | 01/23/2013 | 602010004795.4 |
| AMA02081-FR-EPA | FR | Process for Producing Nitroalcohols | 10/20/2010 | 10188169.6 | 05/11/2011 | 2319823 | 01/23/2013 | 2319823 |
| AMA02081-GB-EPA | GB | Process for Producing Nitroalcohols | 10/20/2010 | 10188169.6 | 05/11/2011 | 2319823 | 01/23/2013 | 2319823 |
| AMA02081-JP-NP | JP | Process for Producing Nitroalcohols | 10/13/2010 | 2010-230616 | 05/19/2011 | 2011-098962 | 07/05/2013 | 5307103 |
| AMA02081-US-NP | US | Process for Producing Nitroalcohols | 11/04/2010 | 12/927016 | 05/05/2011 | 2011-0105804 | 01/15/2013 | 8354560 |
| 67211A-KR-PCT | KR | AMINO ALCOHOL AND BIOCIDES COMPOSITIONS FOR AQUEOUS BASED SYSTEMS | 04/29/2009' | 2010-7025484 | (blank) | KR 102011006682 | (blank) | (blank) |
| 69492-IN-NP | IN | NOVEL DIAMINO-ALCOHOL COMPOUNDS. THEIR MANUFACTURE AND USE IN EPOXY RESINS | 12/20/2010 | 3018/DEL/2010 | (blank) | (blank) | (blank) | (blank) |

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| Case Reference | Country | Title | Filing Date | Application Number | Publication Date | Publication Number | Grant Date | Grant Number |
|----------------|---------|---|-------------|--------------------|------------------|--------------------|------------|--------------|
| 69940-1N-PCT | IN | PROCESS FOR MAKING TERTIARY AMINO ALCOHOL COMPOUNDS | 9/21/2011 | 2257/CHE/2013 | (blank) | (blank) | (blank) | (blank) |

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