

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT                     |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
|---|------------------------------------|---------------|------------------------------------|---------------------|-----------------------|------------|------------|---------------------|------------|--------------|------------|-----------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                         |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| CONVEYING PARTY DATA  |                                    |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Prasad Muppa</td> <td>08/27/2012</td> </tr> <tr> <td>Ron Postma</td> <td>09/10/2012</td> </tr> <tr> <td>Caspar Schoolderman</td> <td>09/04/2012</td> </tr> <tr> <td>Sandra Rens</td> <td>08/27/2012</td> </tr> <tr> <td>Kostas Stoitsas</td> <td>08/31/2012</td> </tr> </tbody> </table>                          |                                    | Name          | Execution Date                     | Prasad Muppa        | 08/27/2012            | Ron Postma | 09/10/2012 | Caspar Schoolderman | 09/04/2012 | Sandra Rens  | 08/27/2012 | Kostas Stoitsas | 08/31/2012 |
| Name  | Execution Date                     |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Prasad Muppa  | 08/27/2012                         |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Ron Postma  | 09/10/2012                         |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Caspar Schoolderman   | 09/04/2012                         |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Sandra Rens   | 08/27/2012                         |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Kostas Stoitsas   | 08/31/2012                         |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| RECEIVING PARTY DATA  |                                    |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| <table border="1"> <tr> <td>Name:</td> <td>Momentive Specialty Chemicals Inc.</td> </tr> <tr> <td>Street Address:</td> <td>180 East Broad Street</td> </tr> <tr> <td>City:</td> <td>Columbus</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>43215</td> </tr> </table>   |                                    | Name:         | Momentive Specialty Chemicals Inc. | Street Address:     | 180 East Broad Street | City:      | Columbus   | State/Country:      | OHIO       | Postal Code: | 43215      |                 |            |
| Name:   | Momentive Specialty Chemicals Inc. |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Street Address:   | 180 East Broad Street              |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| City:   | Columbus                           |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| State/Country:  | OHIO                               |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Postal Code:  | 43215                              |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| PROPERTY NUMBERS Total: 1   |                                    |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13574704</td> </tr> </tbody> </table>   |                                    | Property Type | Number                             | Application Number: | 13574704              |            |            |                     |            |              |            |                 |            |
| Property Type   | Number                             |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| Application Number:   | 13574704                           |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| CORRESPONDENCE DATA   |                                    |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| <p>Fax Number: 8772455951<br/>         Phone: 281-325-3368<br/>         Email: tammy.hodges@momentive.com<br/> <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Momentive Specialty Chemicals Inc.<br/>         Address Line 1: 12650 Directors Drive, Suite 100<br/>         Address Line 4: Stafford, TEXAS 77477</p> |                                    |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| ATTORNEY DOCKET NUMBER:   | 10-03-EP01.US                      |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |
| NAME OF SUBMITTER:  | Lisa Kimes Jones                   |               |                                    |                     |                       |            |            |                     |            |              |            |                 |            |

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Total Attachments: 6

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**PATENT**

**REEL: 028945 FRAME: 0081**

ASSIGNMENT

WHEREAS, Prasad MUPPA, Ron POSTMA, Caspar SCHOOLDERMAN, Sandra RENS and Kostas STOITSAS have made a certain invention for which application papers for a New United States Patent Application, entitled *MANUFACTURE OF AN EPOXYETHYL ETHERS OR GLYCIDYL ETHERS*, based on PCT Application PCT/EP2011/000321 having an International Filing Date of January 26, 2011, were filed on July 23, 2012 and further assigned United States Serial Number 13/574,704.

WHEREAS, Momentive Specialty Chemicals Inc., a New Jersey corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to Momentive Specialty Chemicals Inc., its successors and assigns, all rights, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of Momentive Specialty Chemicals Inc., or whomsoever that company may nominate, and to claim the priority of the above-named United States application under provisions of international conventions or treaties.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of Momentive Specialty Chemicals Inc. to execute such separate deed to Momentive Specialty Chemicals Inc. or to whomsoever that company may nominate.

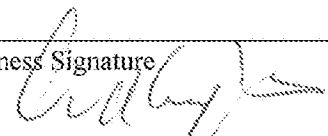
And we hereby agree that we will, upon request, execute any instrument which Momentive Specialty Chemicals Inc. desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to Momentive Specialty Chemicals Inc.

IN WITNESS WHEREOF, this assignment has been executed by us on the date below.

MRE MUPPA  
Prasad MUPPA

27. 08. 2012  
Date

  
Witness Signature

Chris van der Kruijs  
Witness Name

Caspar SCHOOLDERMAN

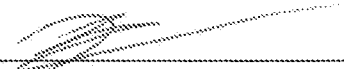
Date

Witness Signature

Witness Name

  
Kostas STOITSAS

31-08-12  
Date

  
Witness Signature

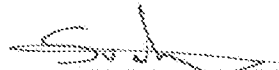
Paul Macabees  
Witness Name

Ron POSTMA

Date

Witness Signature

Witness Name

  
Sandra RENS

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Chris van der Kruijs

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Witness Name

\_\_\_\_\_  
Caspar SCHOOLDERMAN

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Witness Name

\_\_\_\_\_  
Kostas STOITSAS


\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Witness Name

  
\_\_\_\_\_  
~~Ron~~ POSTMA

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Anna Tihaya  
Witness Name

\_\_\_\_\_  
Sandra RENS

\_\_\_\_\_  
Date

\_\_\_\_\_  
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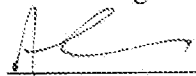
Sandra RENS

4-9-2012  
Date

Date

Witness Signature

Witness Signature

  
Witness Name

Witness Name

ALA - CAMOLE  
Kostas STOITSAS

Date

Witness Signature

Witness Name