

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|--------------------------------------|---------------|----------------|---------------------|------------|---------------|------------|-------------|------------|-------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jianhui Wu</td> <td>08/12/2009</td> </tr> <tr> <td>Gilles Querel</td> <td>08/11/2009</td> </tr> <tr> <td>Eric Schulz</td> <td>08/13/2009</td> </tr> <tr> <td>Richard W.J. Hall</td> <td>08/18/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Jianhui Wu | 08/12/2009 | Gilles Querel | 08/11/2009 | Eric Schulz | 08/13/2009 | Richard W.J. Hall | 08/18/2009 |
| Name | Execution Date | | | | | | | | | | |
| Jianhui Wu | 08/12/2009 | | | | | | | | | | |
| Gilles Querel | 08/11/2009 | | | | | | | | | | |
| Eric Schulz | 08/13/2009 | | | | | | | | | | |
| Richard W.J. Hall | 08/18/2009 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | SAINT-GOBAIN ABRASIVES, INC. | | | | | | | | | | |
| Street Address: | One New Bond Street | | | | | | | | | | |
| City: | Worcester | | | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | | | |
| Postal Code: | 01615-0138 | | | | | | | | | | |
| Name: | SAINT-GOBAIN ABRASIFS | | | | | | | | | | |
| Street Address: | Rue de l'Ambassadeur | | | | | | | | | | |
| City: | Conflans-Sainte-Honorine | | | | | | | | | | |
| State/Country: | FRANCE | | | | | | | | | | |
| Postal Code: | 78700 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12491929</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12491929 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12491929 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (512)439-7199 | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Email: | mherzig@LNAlaw.com | | | | | | | | | | |
| Correspondent Name: | LARSON NEWMAN & ABEL, LLP | | | | | | | | | | |
| Address Line 1: | 5914 West Courtyard Drive, Suite 200 | | | | | | | | | | |
| Address Line 4: | Austin, TEXAS 78730 | | | | | | | | | | |

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| ATTORNEY DOCKET NUMBER: | BD5328 |
| NAME OF SUBMITTER: | Ethan Schillinger |
| Total Attachments: 5 source=1035-BD5328-US_Assignment#page1.tif source=1035-BD5328-US_Assignment#page2.tif source=1035-BD5328-US_Assignment#page3.tif source=1035-BD5328-US_Assignment#page4.tif source=1035-BD5328-US_Assignment#page5.tif | |

ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an Assignor named below,

Jianhui Wu of Westborough, MA 01581
Gilles Queref of Worcester, MA 01606
Eric Schulz of Worcester, MA 01606
Richard W. J. Hall of Southborough, MA 01772

hereby sell, assign and transfer to

ASSIGNEE: SAINT-GOBAIN ABRASIVES, INC., a Massachusetts Corporation, having a principal place of business at One New Bond Street, Worcester, MA 01615-0138 USA,

and

SAINT-GOBAIN ABRASIFS, having a principal place of business at Rue de l'Ambassadeur, 78700 Conflans-Sainte-Honorine, FRANCE,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,
- U.S. Patent Application executed on _____,
- U.S. Provisional Application _____, filed on _____,
- U.S. Application No.: 12/491,929, filed on June 25, 2009, or
- International Application No.: PCT/_____, filed on _____.

ENTITLED: **CHEMICAL MECHANICAL PLANARIZATION PAD
CONDITIONER AND METHOD OF FORMING**, and naming as

INVENTOR(S): Jianhui Wu, Gilles Queref, Eric Schulz, and Richard W. J. Hall.

("Invention") including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said Invention, including divisions, continuations, continuations-in-part, utility models, industrial designs, renewals, substitutes and extensions thereof, and in and to any and all patents, invention registrations, or other forms of protection ("Patents") of every country or region that may be granted or have been granted for said Invention, including any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (_____/_____, filed _____) when they become known.

I authorize Assignee to apply for patents in foreign countries for said Invention, and to claim all rights of priority without further authorization from me.

I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

I authorize and request the Director of the United States Patent and Trademark Office and agencies, departments, or other similar offices and officials of all foreign countries to issue any Patents granted for said Invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part, reexamination, reissue or other application, to Assignee, its successors and assigns, as the assignee of the entire interest in said Invention.

Executed on Aug. 12, 2009 by Jianhui Wu
Jianhui Wu
Witnessed on Aug 12, 2009 by Pat [Signature]
Witness Signature

Executed on _____, 200__ by _____
Gilles Querel
Witnessed on _____, 200__ by _____
Witness Signature

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (/ , filed) when they become known.

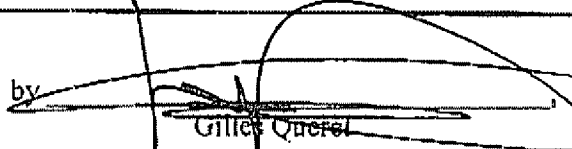

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| |
|---|
| Executed on _____, 200__ by _____ Jianhui Wu |
| Witnessed on _____, 200__ by _____ Witness Signature |

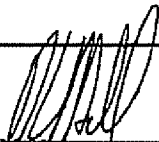
| |
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| Executed on <u>08/11</u> , 200 <u>9</u> by <u></u> Gillet Queret |
| Witnessed on <u>08/11</u> , 200 <u>9</u> by <u></u> Witness Signature |

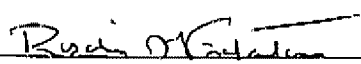
Executed on 8/13, 2009 by Eric Schulz
Eric Schulz
Witnessed on Aug 12, 2009 by [Signature]
Witness Signature

Executed on _____, 200__ by _____
Richard W. J. Hall
Witnessed on _____, 200__ by _____
Witness Signature

Executed on _____, 200__ by _____
Eric Schulz

Witnessed on _____, 200__ by _____
Witness Signature

Executed on 18 AUG., 2009 by 
Richard W. J. Hall

Witnessed on 5/18/09, 2009 by 
Witness Signature