



12-21-2006



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Mail Stop Assignment Records  
DIRECTOR OF THE US PATENT AND TRADEMARK OFFICE  
P.O. Box 1450  
Alexandria, VA 22313-1450

Please record the attached original documents or copies thereof.

- 1. Name of conveying party(ies): **Deepak MAHULIKAR, Yuhu WANG, Ken A. DELBRIDGE, Gert R.M. MOYAERTS, Saeed H. MOHSENI, Nichole R. KOONTZ, Bin HU, and Liqing WEN**
- 2. Name and address of receiving party(ies): **PLANAR SOLUTIONS, LLC  
3301 Sutton Road  
Adrian, Michigan 49221**
- 3. Nature of conveyance:  

|             |                    |       |                |
|-------------|--------------------|-------|----------------|
| <u>XXXX</u> | Assignment         | _____ | Merger         |
| _____       | Security Agreement | _____ | Change of Name |
| _____       | Other: _____       |       |                |

Execution Date: **Dec. 11, Nov. 14, Dec. 10, Dec. 5, Dec. 11, Dec. 5, Dec. 5, and Dec. 5, 2006 respectively.**

4. Application number(s) or application date(s):  
If this document is being filed together with a new application, the execution date of the application is:

|                                  |                                  |
|----------------------------------|----------------------------------|
| A. <u>Application/Patent No.</u> | B. <u>Application/Issue Date</u> |
| <b>11/526,132</b>                | <b>September 22, 2006</b>        |

5. Name and address of party to whom correspondence concerning this document should be mailed:

Paul D. Greeley  
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.  
One Landmark Square, 10<sup>th</sup> Floor  
Stamford, Connecticut 06901-2682 U.S.A.

6. Total No. of applications and patents involved: 1.

7. Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment.

XXXXX CUSTOMER NO.: **27623**  
XXXXX Enclosed  
 \_\_\_\_\_ Authorized to be charged to deposit account.

The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 3.41 that may be required with this communication or credit any overpayment, to Deposit Account No. **01-0467**. A duplicate copy of this Form is enclosed.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Paul D. Greeley  
Name of Person Signing

*Paul D. Greeley*  
Signature

12/13/06  
Date

Total number of pages including cover sheet, attachments and document: 7.

12/19/2006 RMEBRAHT 00000047 11526132 40.00 DP 02 FC:8021

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**JOINT ASSIGNMENT**

The ASSIGNORS,

**Deepak MAHULIKAR  
20 Martleshamheath Lane  
Madison, Connecticut 06443  
United States****Yuhu WANG  
4667 Quigg Drive  
Apartment 630  
Santa Rosa, California 95409  
United States****Ken A. DELBRIDGE  
2800 N. Arizona Avenue #221  
Chandler, Arizona 85225  
United States****Gert R.M. MOYAERTS  
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Phoenix, Arizona 85044  
United States****Saeed H. MOHSENI  
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Sylvania, Ohio 43560  
United States****Nichole R. KOONTZ  
2262 S. Wesley Drive  
Mesa, Arizona 85212  
United States****Bin HU  
4859 West Tulsa Street  
Chandler, Arizona 85226  
United States****Liqing WEN  
3350 E. Jacinton Avenue  
Mesa, Arizona 85204  
United States**

have invented certain new and useful improvements in

**ULTRAPURE COLLOIDAL SILICA FOR USE IN CHEMICAL MECHANICAL  
POLISHING APPLICATIONS**

an invention which is fully described in an application for Letters Patent of the United States executed by them this day and assigned U.S. Patent Application Serial No.11/526,132 and filed on **September 22, 2006**.

The ASSIGNEE, **PLANAR SOLUTIONS, LLC**, a Delaware corporation having its principal office at **3301 SUTTON ROAD, ADRIAN, MICHIGAN 49221, USA**, wishes to acquire the entire right, title and interest in and to the invention and under Letters Patent which may be obtained for this invention.

For valuable and legally sufficient considerations, receipt of which are hereby acknowledged, the Assignors sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest for the United States in and to the above-identified invention and application, divisionals,

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continuations, and continuation-in-part and for the full term of any Letters Patent of the United States that may issue for the invention.


The Assignors also sell, assign and transfer to Assignee the entire right, title and interest in and to the invention and application for Letters Patent and Letters Patent therefor in all countries foreign to the United States, including all rights under the International Convention. The Assignors further authorize Assignee to apply for Letters Patent in foreign countries in the name of Assignee, and to claim the priority of the filing date of the United States Application under the provisions of the International Convention.

The Assignors further agree, for themselves and their legal representatives, they will assist Assignee in the prosecution before the United States Patent Office and the Federal Courts of this application, and other applications for Letters Patent including renewals, continuations, divisions, reissues and substitutions, that the Assignee elects to make covering the invention. The Assignors vest in Assignee like exclusive title in and to all such other applications and Letters Patent. The Assignors will execute and deliver to Assignee any documents which may be requested by Assignee to carry out the terms of this Assignment.


The Commissioner of Patents of the United States is authorized and requested to issue Letters Patent of the United States to Assignee. The Assignors also authorize and request the equivalent authorities in foreign countries to issue the patents of foreign countries to Assignee.

Deepak MAHULIKAR

Inventor's Name

  
Signature

12/11/06  
Date

  
Witness

Yuhu WANG

Inventor's Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

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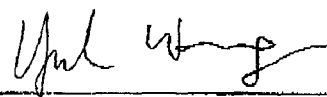
The Assignors further agree, for themselves and their legal representatives, they will assist Assignee in the prosecution before the United States Patent Office and the Federal Courts of this application, and other applications for Letters Patent including renewals, continuations, divisions, reissues and substitutions, that the Assignee elects to make covering the invention. The Assignors vest in Assignee like exclusive title in and to all such other applications and Letters Patent. The Assignors will execute and deliver to Assignee any documents which may be requested by Assignee to carry out the terms of this Assignment.

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Deepak MAHULIKAR  
Inventor's Name

Yuhu WANG  
inventor's Name

\_\_\_\_\_  
Signature

  
Signature

\_\_\_\_\_  
Date

11-14-06  
Date

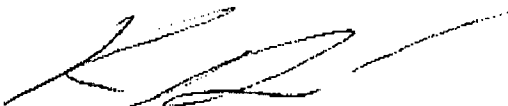
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**Ken A. DELBRIDGE**

Inventor's Name



Signature

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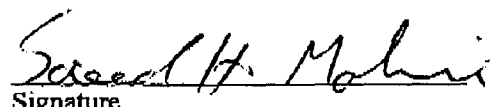
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**Saeed H. MOHSENI**

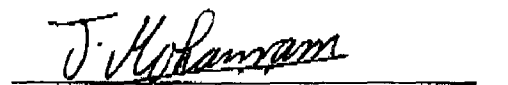
Inventor's Name



Signature

12/11/2006

Date



Witness

**Bin HU**

Inventor's Name

Signature

Date

Witness

**Gert R.M. MOYAERTS**

Inventor's Name

Signature

Date

Witness

**Nichole R. KOONTZ**

Inventor's Name

Signature

Date

Witness

**Liqing WEN**

Inventor's Name

Signature

Date

Witness

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**Ken A. DELBRIDGE**

Inventor's Name

Signature

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Witness

**Saeed H. MOHSENI**

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**Nichole R. KOONTZ**

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Signature

Date

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**Liqing WEN**

Inventor's Name

Signature

Date

Witness