



To The Honorable Commissioner of Patents and Trademarks

101776914

ments or copy thereof.

1. Name of conveying party(ies):
Shumin Wang

C 7-9-01

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 11/00/00

2. Name and address of receiving party(ies)
Name: Cabot Microelectronics Corp.

Address: 870 Commons Drive

City: Aurora State: Illinois

Country: U.S.A. Zip: 60504

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) Filing Date
08/994,894 December 19, 1997

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: A. Blair Hughes

Registration No.: 32,901

Company Name: McDonnell, Boehnen, Hulbert & Berghoff

Street Address: 300 South Wacker Drive - 32nd Floor

City: Chicago State: Illinois

Country: U.S.A. ZIP: 60606

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

13-2490

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9. Statement and signature.

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.

A. Blair Hughes

Printed Name of Person Signing

C. BL Hughes
Signature

Date: July 5, 2001

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

01-23-2001

Docket No. MMD96089CIP

FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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101591027

To The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Shumin Wang
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Cabot Microelectronics Corp.
Address: 870 Commons Drive

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 11/10/00

City: Aurora State: Illinois
Country: U.S.A. Zip: 60504
Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s) Filing Date B. Patent No.(s)
08/944,894 December 19, 1997
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: A. Blair Hughes
Registration No.: 32,901
Company Name: McDonnell, Boehnen, Hulbert & Berghoff
Street Address: 300 South Wacker Drive - 32nd Floor
City: Chicago State: Illinois
Country: U.S.A. ZIP: 60606

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41).....\$40.00
 Enclosed
 Authorized to be charged to deposit account
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13-2490

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9. Statement and signature.
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.
A. Blair Hughes Date: December 28, 2000
Printed Name of Person Signing Signature

Total number of pages including cover sheet, attachments, and document: 4
Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

PATENT
REEL: 11965 FRAME: 0774

ASSIGNMENT

WHEREAS, I, Shumin Wang of 1006 Dakota Circle, Naperville, Illinois 60563, a citizen of the United States of America, having invented the subject matter described in the U. S. Patent Application entitled "**COMPOSITION FOR OXIDE CMP,**" the specification of which was filed on **December 19, 1997**, as United States Patent Application Serial No. **08/994,894**; and

WHEREAS, Cabot Microelectronics Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, doing business at 870 N. Commons Drive, Aurora, Illinois 60504, is desirous of acquiring the entire right, title and interest in and to said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the improvements therein contained.

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) lawful money of the United States and other valuable considerations, in hand paid to me, the receipt and sufficiency whereof is hereby acknowledged, I, Shumin Wang, have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot Microelectronics Corporation, its successors and assigns, the entire right, title and interest in and to said application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America and in any and all foreign countries on said invention, and any and all other applications for Letters Patent on said invention, in whatsoever countries, including all provisional, divisional, renewal, substitution, continuation, continuation-in-part, reissue, re-examination and Convention applications based upon said invention or upon said application, to the full end of the term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said invention, said application and said Letters Patent, the same to be held and enjoyed by Cabot Microelectronics Corporation, its successors and assigns, the same as it would have been held and enjoyed by me if this assignment and sale had not been made.

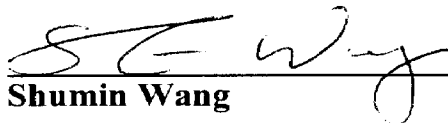
And I hereby authorize Cabot Microelectronics Corporation, to file patent applications in any or all countries on any or all of said invention in my name or in the name of Cabot Microelectronics Corporation, or otherwise as Cabot Microelectronics Corporation, may deem advisable, under any International Convention or otherwise.

And I hereby authorize the Commissioner of Patents of the United States and the empowered officials of all other governments to issue or transfer all said Letters Patent to Cabot Microelectronics Corporation, as assignee of the entire right, title and interest therein or otherwise as Cabot Microelectronics Corporation, may direct, in accordance with this instrument of assignment.

I hereby represent and warrant that there are no rights or interests inconsistent with the rights and interests granted herein and that I will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interest granted herein, and that I, Shumin Wang have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot Microelectronics Corporation, its successors and assigns, any further documents or instruments and do any and all further acts that may reasonably be deemed necessary by Cabot Microelectronics Corporation to enable Cabot Microelectronics Corporation, its successors or assigns, to file applications for the invention in any country where it may elect to file such applications, and that may be necessary to vest in Cabot Microelectronics Corporation, its successors and assigns, the title herein conveyed or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or applications may be filed.

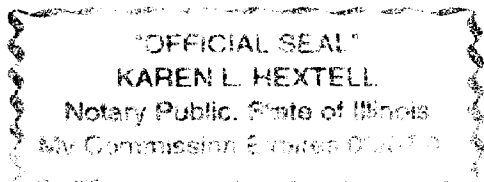
And I further covenant and agree, in consideration of the premises, that I, my executors and administrators, will at any time, upon request, communicate to Cabot Microelectronics Corporation, its successors and assigns, any facts relating to the invention and the improvements contained therein and the history thereof, known to me or my executors and administrators, and that I will testify as to the same in any interference or other litigation when requested so to do by Cabot Microelectronics Corporation, its successors and assigns.

IN TESTIMONY WHEREOF, I, **Shumin Wang**, have hereunto set my hand and seal
this 10th day of ~~October~~^{November}, 2000.


Shumin Wang

STATE OF ILLINOIS)
) ss.
COUNTY OF DU PAGE)

On this 16th day of ~~October~~^{November}, 2000, before me personally appeared **Shumin Wang**,
before me known and known to me to be the individual described herein and who executed the
foregoing instrument, and she duly acknowledged to me that she executed the same for the
purpose therein set forth.




NOTARY PUBLIC
My Commission Expires: 03/01/03

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