

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
 AKIHIRO AIBA
 TAKEO OKABE
 JUNNOSUKE SEKIGUCHI

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

2. Name and address of receiving party(ies)
 Name: NIKKO MATERIALS CO., LTD.
 Internal Address: _____

 Street Address: 10-1, TORANOMON 2-CHOME

 City: MINATO-KU
 State: TOKYO
 Country: JAPAN Zip: 105-8407

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

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) 1/30/04, 1/30/04, 1/30/04

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
12/557,676

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: HOWSON AND HOWSON
 Internal Address: _____

 Street Address: SUITE 210, 501 OFFICE CENTER DRIVE

 City: FT. WASHINGTON
 State: PA Zip: 19034
 Phone Number: 215-540-9216
 Fax Number: 215-540-5818
 Email Address: WBAK@HOWSONANDHOWSON.COM

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

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 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number 08-3040
 Authorized User Name _____

9. Signature: *William Bak* SEPTEMBER 14, 2009
 Signature Date

WILLIAM BAK Total number of pages including cover sheet, attachments, and documents: 3
 Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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ASSIGNMENT

WHEREAS, Akihiro Aiba, Takeo Okabe and Junnosuke Sekiguchi, hereinafter referred to as ASSIGNORS, have invented and are the owners of an invention entitled **COPPER ELECTROPLATING METHOD, PURE COPPER ANODE FOR COPPER ELECTROPLATING, AND SEMICONDUCTOR WAFER PLATED THEREBY WITH LITTLE PARTICLE ADHESION**, said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been signed by ASSIGNORS; and

WHEREAS, **NIKKO MATERIALS COMPANY, LIMITED**, a Japanese corporation engaged in business at 10-1, Toranomon 2-chome, Minato-ku, Tokyo, 105-8407 Japan, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW THEREFORE, THIS IS TO WITNESS, that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over, and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any and all application for Letters Patent and Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNORS hereby authorize and request the Commissioner of Patent and Trademarks to issue any and all Letters patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

And ASSIGNORS hereby authorize and direct its attorneys to insert, in the space provided below, the serial number and filing date of the aforesaid application for Letters Patent of the United States when the same shall have been made known to them by the United States Patent and Trademark Office.

PATENT
REEL: 023230 FRAME: 0191

IN WITNESS WHEREOF, this Assignment has been executed by us on the dates accompanying our signatures.

Akihiro Aiba 30 Jan. 2004
Akihiro Aiba (Date)

Takeo Okabe 30 Jan. 2004
Takeo Okabe (Date)

Junnosuke Sekiguchi 30 Jan. 2004
Junnosuke Sekiguchi (Date)

Application for United States Letters patent Serial Number 10/486,078
filed February 6, 2004

Howson & Howson
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