Form PTO-1595 RECORDATIC (Rev. 10/02) PA ⁺ . OMB No. 0651-0027 (exp. 6/30/2005) PA ⁺ . Tab settings ⇔ ⇔ ♥ ▼	102780838
 Name of conveying party(ies): Akihiro Aiba, et al. Takeo Okabe Junnosuke Sekiguchi Additional name(s) of conveying party(ies) attached? Yes ✓ No Nature of conveyance: 	Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) Name:Nikko Materials Company, Limited Internal Address:
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: William Bak Internal Address:	 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ✓ Enclosed ✓ Authorized to be charged to deposit account
5. Name and address of party to whom correspondence concerning document should be mailed: Name:	 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ✓ Enclosed

PATENT REEL: 015502 FRAME: 0784 Customer No. 00270

ASSIGNMENT

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

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Apihiro Aiba 30 Jan. 2004

Akihiro Aiba

(Date)

er Skabe

Takeo Okabe

(Date)

Junnosuke Schignchi 30. Jan. 2004

Junnosuke Sekiguchi

(Date)

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

Hanson Howson

30 Jan. 2004

Customer No. 00270

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		U.S. Pater	Approved for use through 07/31/2006. OMB 0651-0031 and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 199	5. no persons	s are required to respond to a collection Application Number	on of information unless it displays a valid OMB control number
			10/486,078
TRANSMITTAL		Filing Date	February 6, 2004
FORM		First Named Inventor	Akihiro Aiba, et al.
(to be used for all correspondence after initia	l filing)	Art Unit	1762
		Examiner Name	
Total Number of Pages in This Submission	5	Attorney Docket Number	OGOSHI4USA
	ENCI	LOSURES (Check all that	t apply)
 Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application 		Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Addre Terminal Disclaimer Request for Refund CD, Number of CD(s)	After Allowance communication to Technology Center (TC) Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): 3 pp. Assignment
Response to Missing Parts under 37 CFR 1.52 or 1.53		OF APPLICANT, ATTORN	
Eime		TAFFLIGANT, ATTORN	EI, UR AGENI
or William Bak Howson and Howson			
Signature Miller			
Date June 24, 2004			
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I hereby certify that this correspondence is sufficient postage as first class mail in an ei the date shown below.	being facsi nvelope add	mile transmitted to the USPTO or dressed to: Commissioner for Par	deposited with the United States Postal Service with tents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Typed or printed name	Bea Houwen				
Signature	Ben I	num	Date	June 24, 2004	

This collection of information is required by 37 CFR 15. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT REEL: 015502 FRAME: 0787

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FEE TRANSMITTAL for FY 2004 Application Number 10/486,078 Effective 10/01/2003. Patent fees are subject to annuel revision. Applicant claims small entity status. See 37 CFR 1.27 Akihiro Aiba, et al. Applicant claims small entity status. See 37 CFR 1.27 Art Unit 1762 TOTAL AMOUNT OF PAYMENT (\$) 40.00 Attorney Docket No. OGOSHI4USA METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Order Other None Account: Money Order Other None 08-3040 08-3040 08-3040 Fee Pae
Filing Date February 6, 2004 Effective 10/01/2003. Patent fees are subject to annual revision. Filing Date February 6, 2004 Applicant claims small entity status. See 37 CFR 1.27 Akihiro Aiba, et al. TOTAL AMOUNT OF PAYMENT (\$) 40.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Check Credit card Money Order Other None Jeposit Account: Objeosit Account: Saddo Deposit Account: 08-3040 State Fee
TOF FT ZUU4 First Named Inventor Akihiro Aiba, et al. Effective 10/01/2003. Patent fees are subject to annual revision. Applicant claims small entity status. See 37 CFR 1.27 First Named Inventor Akihiro Aiba, et al. TOTAL AMOUNT OF PAYMENT (\$) 40.00 Art Unit 1762 Attorney Docket No. OGOSHI4USA METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Check Credit card Money Order Other None Jeposit Account: Deposit Account: Small Entity Fee Fee Deposit 08-3040 08-3040 Fee Pate Fee Surphare Into Fina fee or oath
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The Director is authorized to: (check all that apply) 1812 2 520 For filing a request for ex parte reexamination
Charge ree(s) indicated below V Credit any overpayments 1804 920° Requesting publication of SIR prior to
Charge any additional fee(s) or any underpayment of fee(s) Charge fee(s) indicated below, except for the filing fee 1805 1,840* 1805 1,840* Requesting publication of SIR after
to the above-identified deposit account.
FEE CALCULATION 1251 110 2251 55 Extension for reply within first month
1. BASIC FILING FEE
Large Entity 1253 950 2253 475 Extension for reply within third month Fee Fee Fee Fee Paid 1254 1,480 2254 740 Extension for reply within fourth month
Code (\$) Code (\$)
1003 530 2003 265 Plant filing fee 1402 330 2402 165 Filing a prior in support of an appeal 1004 770 2004 385 Reissue filing fee 1403 290 2403 145 Request for oral hearing
1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding
SUBTOTAL (1) (\$) 0.00 1452 110 2452 55 Petition to revive - unavoidable
1453 1 330 2453 665 Petition to revive - unintentional
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Experimental 1501 1,330 2501 665 Utility issue fee (or reissue)
Extra Claims below Fee Paid 1502 480 2502 240 Design issue fee Total Claims -20** = X = 1503 640 2503 320 Plant issue fee
Independent
Claims 130 Petitions to the Commissioner 1460 130 1460 130 Petitions to the Commissioner Multiple Dependent 1807 50 1807 50 Processing fee under 37 CFR 1.17(g)
Large Entity Small Entity Disclosure Stmt
Fee Fee Fee Fee Fee Fee Description
1202 18 2202 9 Claims in excess of 20 1809 770 2809 385 Filing a submission after final rejection
1201 86 2201 43 Independent claims in excess of 3 (37 CFR 1.129(a))
1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))
1204 86 2204 43 ** Reissue independent claims over original patent 1801 770 2801 385 Request for Continued Examination (RCE)
1205 18 2205 9 ** Reissue claims in excess of 20 1802 900 1802 900 Request for expedited examination
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SUBTOTAL (2) (\$) 0.00 Other ree (specny) Characterity **or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00
or number previously pais, in greater, i or relatively, service it is a service of a service of the service of
Name (Prior/Trans) William Bak Registration No. 37 277 Telephone 215-540-9216
Signature (Attorney/Agent) 37,277 Date June 24, 2004

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