Form PTO-1595 RECORDATION FORM COVER SHEET PATE 1027597 To the Assistant Commiss Please record the attached original of	Patents & Trademark Office Attorney Docket No. 108421-00003 Date: June 2, 2004
Please record the attached original documents or copy thereof 1. Name of conveying party(ies) 2. Name and address of receiving party(ies):	
Nippon Mining & Metals Co., Ltd.	Name: NIKKO METAL MANUFACTURING CO., LTD.
Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No	Address: 3, Kurami, Samukawa-machi Koza-gun, Kanagawa 253-0101, Japan
	Additional name(s) & address(es) attached?
Nature of conveyance:	☐ Yes
Other	
Execution Date: April 27, 2004	
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)	B. Patent No.(s)
	6,391,254 B1, issued May 21, 2002
Additional numbers attached? ☐ Yes ☒ No	
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: One
Name: Arent Fox PLLC	7. Total fee (37 CFR 3.41) \$ 40.00
Street Address: 1050 Connecticut Avenue, N.W., Suite 400	Attached is Check # 405575
Washington, D.C. 20036-5339	Any additional fees are authorized to be charged to deposit account
06/04/2004 DBYRNE 00000053 6391254 01 FG:8021 40.00/DP	Deposit account number: 01-2300 (Attach duplicate copy of this page if paying by deposit account)
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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.	
Charles M. Marmelstein	June 2, 2004
Name of Person Signing Signature Date Reg. No. 25,895 Total number of pages including cover sheet, attachments, and document: 2	
L Total Harmost of pages moleculary cover sheet, attachments, and document: 2	

PATENT REEL: 015409 FRAME: 0175

ASSIGNMENT

WHEREAS: The ASSIGNOR, Nippon Mining & Metals Co., Ltd., is the owner of all right, title and interest in an invention entitled

Fe-Cr-Ni ALLOY FOR ELECTRON GUN ELECTRODES

for which Letters Patent No. 6,391,254 B1 of the United States was issued on May 21, 2002, by virtue of an Assignment recorded at Reel 011207; Frames 0388, on October 31, 2000.

and

WHEREAS, the ASSIGNEE, NIKKO METAL MANUFACTURING CO., LTD., having an address of 3, Kurami, Samukawa-machi, Koza-gun, Kanagawa 253-0101, Japan, is desirous of acquiring the entire right, title and interest in and to said United States Letters Patent:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest in said Letters Patent and any reissue thereof for the full term for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale:

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said Letters Patent and/or the invention disclosed and claimed therein as may be known and accessible to ASSIGNOR, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to maintain and enforce said Letters Patent as may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the undersigned has hereunto set hand and seal this 27 day of April , 2004.

NIPPON MINING & METALS CO., LTD.

Name: Kazuo OKI Title: President

> PATENT REEL: 015409 FRAME: 0176

RECORDED: 06/02/2004