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
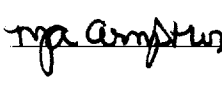

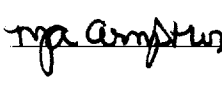

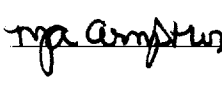
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Atty. Docket No.: 1823-0112P  
Page 1 of 1

OCT 29 2001

RECORDATION 101891621

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

1. Name of conveying party(ies): <b>KUROSAKI, Ikuya</b> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		2. Name and address of receiving party(ies)  Nippon Mining & Metals Co., Ltd. 10-1, Toranomom 2 chome, Minato-ku, JAPAN  Additional name(s) & address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: <b>August 6, 2001</b>						
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: <table border="0"> <tr> <td>A. Patent Application No(s). <b>09/905,901</b></td> <td>B. Patent No.(s).</td> </tr> </table> Additional numbers attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				A. Patent Application No(s). <b>09/905,901</b>	B. Patent No.(s).	
A. Patent Application No(s). <b>09/905,901</b>	B. Patent No.(s).					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP</b> Street Address: <b>P.O. BOX 747</b> City: <b>FALLS CHURCH</b> State: <b>VA</b> ZIP: <b>22040-0747</b> Country: <b>USA</b>		6. Total No. of applications/patents involved: <b>one (1)</b> 7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: <b>02-2448</b>  (Attach triplicate copy of this page if paying by deposit account)				
DO NOT USE THIS SPACE						
9. Statement and signature.  <i>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.</i>  <table border="0"> <tr> <td>             Marc S. Weiner, #32,181            Name of Person Signing/Reg. No.         </td> <td>             Tpa Ampture (by 0040,064)            Signature         </td> <td>           October 29, 2001            Date         </td> </tr> </table>				 Marc S. Weiner, #32,181 Name of Person Signing/Reg. No.	 Tpa Ampture (by 0040,064) Signature	October 29, 2001 Date
 Marc S. Weiner, #32,181 Name of Person Signing/Reg. No.	 Tpa Ampture (by 0040,064) Signature	October 29, 2001 Date				
Total number of pages including cover sheet, attachments, and document: <b>three (3)</b>						

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(Rev. 09/26/01)

ATTORNEY DOCKET NO.  
1823-0112P

## ASSIGNMENT

Serial No. 09/905,901

Filed 7-17-2001

WHEREAS, Ikuya Kurosaki

c/o Nippon Mining & Metals Co., Ltd. Technical Center, 1-2,

Insert Name(s)  
of Inventor(s)

Shirogane-cho, 1 chome, Hitachi-shi, Ibaraki-ken, Japan

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_

Insert Title  
of Invention

Fe-Ni Alloy Material used for Shadow Mask Having Improved Formability of

Through-Holes by Etching

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date  
of Signing of  
Application

on \_\_\_\_\_ and

WHEREAS, Nippon Mining & Metals Co., Ltd.

Insert Name  
of Assignee

Insert Address  
of Assignee

of 10-1, Toranomon 2 chome, Minato-ku, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America.

NOW THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with a . . . interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch and Birch the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U. S. Patent and Trademark Office for recordation of this document.

*In witness whereof,* executed by the undersigned on the date(s) opposite the undersigned name(s)

Date Aug. 6, 2001 ✓ Name of Inventor Kenya Kurosaki ✓ (SEAL)  
(signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness \_\_\_\_\_

Witness \_\_\_\_\_

Witness \_\_\_\_\_