

04-25-2001

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office



PATENTS ONLY

101683781

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

1. Name of conveying party(ies): 04/13/01  
**Takaaki Hatano**  
**Yoshihisa Kita**

Additional names(s) of conveying party(ies)  Yes  No

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

Name: Nippon Mining & Metals Co., Ltd.

Address: 10-1 Toranomom 2-chome, Minato-ku

City: Tokyo State/Prov.: \_\_\_\_\_

Country: JAPAN ZIP: \_\_\_\_\_

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

JCS971 U.S. PTO  
 09/833862  
 04/13/01

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: March 21, 2001

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: March 21, 2001

Patent Application No.	Filing date	B. Patent No.(s)
<u>04/16/2001 HLE333 00000049 09833862</u>	<u>09/833862</u>	
<u>03 FC:581</u>	<u>40.00 DP</u>	

Additional numbers  Yes  No

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

Name: Daniel A. Monaco

Registration No. 30,480

Address: Drinker, Biddle & Reath, LLP.

One Logan Square

18th and Cherry Streets

City: Philadelphia State/Prov.: PA

Country: USA ZIP: 19103-6996

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number: 50-0573 **23973**

PATENT TRADEMARK OFFICE

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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.*

Daniel A. Monaco April 12, 2001

Name of Person Signing Signature **3** Date

Total number of pages including cover sheet, attachments, and

WHEREAS, we,

Takaaki Hatano, a citizen of Japan, c/o Nippon Mining & Metals Co., Ltd., Kurami Works, 3 Kurami, Samukawa-machi, Koza-gun, Kanagawa-ken, Japan

Yoshihisa Kita, a citizen of Japan, c/o Nippon Mining & Metals Co., Ltd., Kurami Works, 3 Kurami, Samukawa-machi, Koza-gun, Kanagawa-ken, Japan

have invented certain new and useful improvements in

Fe-Ni ALLOY SHADOW MASK BLANK WITH EXCELLENT  
ETCH PERFORATION PROPERTIES AND METHOD FOR  
MANUFACTURING THE SAME

for which we have on March 21, 2001 executed an application for United States Letters Patent; and

WHEREAS, Nippon Mining & Metals Co., Ltd., a Japanese Corporation located at 10-1, Toranomon 2-chome, Minato-ku, Tokyo, Japan (hereinafter called the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the inventions and improvements therein disclosed so far as the United States of America is concerned.

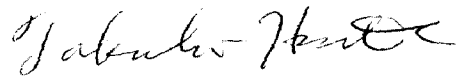
NOW, THEREFORE, in good and valuable consideration paid to us by said Assignee, receipt whereof is hereby acknowledged, we do hereby assign, sell, transfer and set over unto said Assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and any Letters Patent which may issue therefor in the United States and all divisions, re-issues, continuations, renewals and/or extensions thereof, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, re-issues, continuations, renewals and/or extensions thereof, respectively, a fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, and of the right to make, use or sell the inventions and improvements disclosed therein within the United States and that we have the full right to make this Assignment.

And for the consideration aforesaid, we agree that we will communicate to said Assignee or the representatives thereof any facts known to us respecting the inventions and improvements of the said United States application and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, re-issue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interest herein assigned. This Assignment shall be binding upon our heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

Executed at Kanagawa,

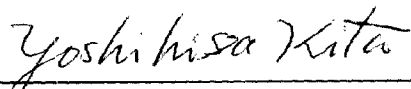
this 21st day of March, 2001



Takaaki Hatano

Executed at Kanagawa,

this 21st day of March, 2001



Yoshihisa Kita