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Department of Commerce  
Patents & Trademark Office

Application Docket No. P7443-9010

June 9, 1999



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1999 U.S. P.T.O.  
09/328414  
06/09/99

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

1. Name of conveying party(ies)

(1) Hiroyuki MAKINO; (2) Masaru TANAKA;  
(3) Kiyoshi AWAI; (4) Toshiyuki SAKEMI

Additional name(s) of conveying party(ies) attached?

Yes  No

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

Name: SUMITOMO HEAVY INDUSTRIES, LTD.

Internal Address: \_\_\_\_\_

Street Address: 9-11, Kitashinagawa 5-chome,

Shinagawa-ku, Tokyo 141-8686, Japan

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) & address(es) attached?

Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: (1)&(3) 6/4/99; (2)&(4) 6/2/99

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: (1)&(3) 6/4/99; (2)&(4) 6/2/99

A. Patent Application No.(s)

New Application

B. Patent No.(s)

09/328414

Additional numbers attached?  Yes  No

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

Name: NIKAIDO, MARMELESTEIN, MURRAY & ORAM

Internal Address: \_\_\_\_\_

Street Address: Metropolitan Square, 655 15th St., N.W.,

Suite 330 - G Street Lobby

City: Washington State: DC Zip: 20005-5701

6. Total number of applications and patents involved:

1

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

Included in check #19845 is enclosed

Any additional fees are authorized to be charged to deposit account

8. Deposit account number:

14-1060

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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.

David T. Nikaido  
Name of Person Signing  
Reg. No. 22,663

Signature

June 9, 1999  
Date

Total number of pages including cover sheet, attachments and document: 2

Docket No. \_\_\_\_\_

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by  
 SUMITOMO HEAVY INDUSTRIES, LTD.

[Insert  
 ASSIGNEE's  
 Name(s)  
 Address(es)]

9-11, Kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8686 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

FILM DEPOSITION METHOD FOR FORMING COPPER FILM

[Title of  
 Invention]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

[\*If the assignment is being filed after the filing of the application, this section must be completed]

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

(Nikaido, Marmelstein, Murray & Oram is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)]

<u>Hiroyuki Makino</u> (SIGNATURE)	<u>Hiroyuki MAKINO</u> (TYPE NAME)	<u>June 4, 1999</u> (DATE)
<u>Masaru Tanaka</u> (SIGNATURE)	<u>Masaru TANAKA</u> (TYPE NAME)	<u>June 2, 1999</u> (DATE)
<u>Kiyoshi Awai</u> (SIGNATURE)	<u>Kiyoshi AWAI</u> (TYPE NAME)	<u>June 4, 1999</u> (DATE)
<u>Toshiyuki Sakemi</u> (SIGNATURE)	<u>Toshiyuki SAKEMI</u> (TYPE NAME)	<u>June 2, 1999</u> (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

NO LEGALIZATION REQUIRED

PATENT

RECORDED: 06/09/1999

REEL: 010038 FRAME: 0106