

05-23-2003

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To the Honorable Director of the United States Patent and Trademark Office

102455927

Attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Atsushi Hiraizumi; Koji Masuda; Hiroyuki Abe;  
Tetsuro Wada; Koichi Shintomi; Kazuyou Mizuno**  
  
**S-19-03**  
  
Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
  
Name: **The Furukawa Electric Co., Ltd.**  
  
Address: **2-6-1, Marunouchi, Chiyoda-ku  
Tokyo 100-8322**  
  
City: \_\_\_\_\_ State/Prov.: \_\_\_\_\_  
  
Country: **Japan** ZIP: \_\_\_\_\_  
  
Additional name(s) & address(es)  Yes  No

3. Nature of conveyance:  
  
 Assignment  Merger  
  
 Security Agreement  Change of Name  
  
 Other \_\_\_\_\_  
  
Execution Date: **05/09/2003**

4. Application number(s) or patent numbers(s):  
  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
  
Patent Application No.      Filing date      B. Patent No.(s)  
  
**10/330,385**      **12/27/2002**  
  
Additional numbers  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: **Lisa A. Bongiovi**  
  
Registration No. **48,933**  
  
Address: **Cantor Colburn LLP  
55 Griffin Road South**  
  
City: **Bloomfield** State/Prov.: **CT**  
  
Country: **USA** ZIP: **06002**

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  
  
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*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.*  
  
**Lisa A. Bongiovi; Reg. #: 48,933**      *Lisa Bongiovi*      **May 14, 2003**  
Name of Person Signing      Signature      Date  
  
Total number of pages including cover sheet, attachments, and **3**

PATENT

REEL: 014085 FRAME: 0019

05/22/2003 LMEILLER 06000107 10330385 40.00 DP 01 FC 8021

## ASSIGNMENT

WHEREAS, I/WE

Atsushi HIRAIZUMI, residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan ;

Koji MASUDA, residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan ;

Hiroyuki ABE, residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan ;

Tetsuro WADA, residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan ;

Koichi SHINTOMI, residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan ; and

Kazuyou MIZUNO, residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan ;

have invented certain new and useful improvements in:

Title: THIN FILM DEPOSITION METHOD AND THIN FILM DEPOSITION APPARATUS

for which I/WE have filed an application for Letters Patent of the United States;

AND WHEREAS, The Furukawa Electric Co., Ltd., a corporation organized and existing under the laws of Japan, having a place of business at 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan

is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and the Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for and in consideration

of one (\$1.00) dollar to me/us in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, I/We, the said Atsushi HIRAIZUMI, Koji MASUDA, Hiroyuki ABE, Tetsuro WADA, Koichi SHINTOMI and Kazuyou MIZUNO have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said The Furukawa Electric Co., Ltd., the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and I/We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuation-in-part, divisions and reissues thereof, to the said The Furukawa Electric Co., Ltd., as assignee of the entire right, title and interest in and to the same, for the sole use and behoof of The Furukawa Electric Co., Ltd., its successors and assigns; and I/We will execute all papers necessary in connection with the United States applications and foreign applications when called upon to do so by the said The Furukawa Electric Co., Ltd., its successors or assigns, and that I/We will, at the cost and expense of the said The Furukawa Electric Co., Ltd., fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made

with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: May 9, 2003

Osushi Hiraizumi L.S.

Date: May 9, 2003

Koji Masuda L.S.

Date: May 9, 2003

Hiroyuki Aibe L.S.

Date: May 9, 2003

Jeturo Wada L.S.

Date: May 9, 2003

Koichi Hintoni L.S.

Date: May 9, 2003

Kazuyasu Higuma L.S.