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11/29/99

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U.S. Department of Commerce  
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FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

101220576

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

1. Name of conveying party(ies):

Kazuhisa Fujiwara  
Hiroshi Tan  
Mitsuo Fujii  
Masanobu Tsushima

Additional name(s) attached?  Yes  No

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

Name: Mitsui Mining & Smelting Co., Ltd.

Internal Address:

Street Address: 11-1, Osaki 1-chome

City: Tokyo

State: Shinagawa-ku

Country: Japan

Zip: 141-8584

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

JCS42 U.S. PTO  
09/450198  
11/29/99

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: November 22, 1999

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

If this document is being filed together with a new application, the filing date of the application is: November 29, 1999

A. Patent Application No.

B. Patent No.

09/450198

Additional numbers attached?  Yes  No

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

Name: Stephen G. Rudisill  
Internal Address: Arnold White & Durkee  
Street Address: P.O. Box 4433  
City: Houston State: TX Zip: 77210

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 01-2508 (MMSM:027)

**DO NOT USE THIS SPACE**

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.

12/09/1999 SHEET 00000014 09450198

03 FC:581

Marina N. Saito/Reg. No. 42121

Nov. 29, 1999  
Date

Atty. Docket No.: MMSM:027

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

Mail documents to be recorded with required cover sheet information to:  
U.S. Patent and Trademark Office, Office of Public Records  
Crystal Gateway 4, Room 335  
Washington, D.C. 20231

37438

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

**SELL, ASSIGN AND TRANSFER** to Mitsui Mining & Smelting Co., Ltd. (the "Assignee"), a corporation of Japan, having a place of business at 11-1, Osaki 1-chome, Shinagawa-ku,\*\*\* the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled "COPPER FOIL FOR PRINTED WIRING BOARD HAVING EXCELLENT CHEMICAL RESISTANCE AND HEAT" such application and all provisional, divisional, continuing, substitute, renewal, reissue and all other applications for RESISTANCE patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

**TO BE BINDING** on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Date: <u>November 22, 1999</u>	<u>藤原 和久</u> Name: Kazuhisa FUJIWARA
Date: <u>November 22, 1999</u>	<u>丹 博司</u> Name: Hiroshi TAN
Date: <u>November 22, 1999</u>	<u>藤井 光男</u> Name: Mitsuo FUJII
Date: <u>November 22, 1999</u>	<u>津島 正伸</u> Name: Masanobu TSUSHIMA
Date: _____	_____ Name:
Date: _____	_____ Name:

ARNOLD WHITE & DURKEE

(3/95)  
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\*\*\* Tokyo 141-8584, Japan