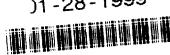
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FORM PTO-1595 (Rev. 6-93)		100953143	U.S. Department of Commerce Patent And Trademark Office
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. Name of conveying party(ies):		2. Name and address	of receiving party(ies):
Fuito Kuwako		N.·me:	Mitsui Mining & Smelting Co., Ltd.
		Internal Address:	<u> </u>
Additional name(s) attached?Yes _X_	No	Street Address:	1-1, Nihonbashi-!Muromachi 2-chome
. Nature of conveyance:		City:	Tokyo
	Merger	St. te:	Chuo-ku
	Change of Name	Country:	Japan
Other		Z ip:	103-8338
Execution Date: December 25, 1998		Additional name(s)	& address(es) attached? $\underline{}$ Yes $\underline{}$ N)
A Patent Application No. B Patent No. 5. Name and address of party to whom corresponde ument should be mailed: Name: Stephen G. Rudisill Internal Address: Arnold White & Durket Street Address: P.O. Box 4433	ondence concerning	7. Total fee (37 C.F.R <u>X</u> Enclosed Authorized	plications and patents involved: 1
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2/1999 MGGRDON 00000038 09229225 Mail doc	S. Patent and Traden a Crystal G	with required cover sheet infourk Office, Office of Public Relateway 4, Room 335 gton, D.C. 20231	ormation to: ecords

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PATENT REEL: 9714 FRAME: 0276

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to Mitsu Mining & Smelting Co., Ltd. (the "Assignee"), a corporation of Japan, having a place of business at 1-1, Nihonbashi-Muromachi 2-chome, ***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 "METHOD FOR PRODUCING MULTI-LAYER PRINTED WIRING BOARDS HAVING BLIND VIAS" such application and all provisional, divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United S ates 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 reaty 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 assis nment, 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 a l 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 improvemen s 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 December 25, 1998	F. Kunte		
	Name: Fujio KUWAKO		
Date	Name:		
Date	N ame:		
Date:	Name:		
Date:	Name:		
Date:	N ime:		
** Chuo-ku, Tokyo 103-8338, Japan	is nife.		

ARNOLD WEITE & DURKER

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RECORDED: 01/12/1999