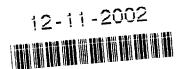
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To the Hono	rable Commissioner of Pate	ents and Trademarks: Plea	se record the attached orig	inal documents or copy thereof.
1.Name of conveying party(ies):			Name and address of receiving party(ies)	
<ol> <li>Jie Xu</li> <li>Kenji Su</li> </ol>	zuki		Name:	The Furukawa Electric Co., Ltd.
12-3-02		Street Address:	6-1, Marunouchi 2-chome Chiyoda-ku	
Additional name(s) o	dditional name(s) of conveying party(ies) attached? Yes No			Tokyo
3. Nature of conve		Merger	Postal Code:	100-8322
Security Ag		Change of Name	Country:	Japan
Other:		•		
			Additional name(s) & ad	ddress(s) attached? Yes No
Execution Date:				
4. Application Num	nber(s) or patent number	(s):		
If this document is	being filed together with	a new application, the	execution date of the ap	oplication is:
A. Patent Application No.(s):			B. Patent No.(s):	
09/634,9	63 filed August 08, 200	0		
		dditional numbers attached		
5. Name and address of party to whom correspondence concerning document should be mailed:			6. Total number of applications and patents involved: 1	
Name:	Lacasse & Associates	;	7. Total fee (37 CFR	3.41 \$40.00
Street Address:			Authorized to	be charged to deposit account
City:	Alexandria		8. Deposit account n	iumber:
State:	Virginia			<b>50</b> 4445
Zip Code:	22314			50-1142
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9. Statement and s	signature.			
To the best of m	ny knowledge and belief, ocument.	the foregoing information	on is true and correct an	d any attached copy is a true copy
or the original di			6	
J	ncasse, Reg. No. 34,368	CZ.	30. Jacasso	12/3/02
Randy W. La	rcasse, Reg. No. 34,368  If Person Signing)		Signature)	12/3/02 (Date)

Washington, D.C. 20231

**PATENT REEL: 013551 FRAME: 0685** 

File No: FP 526 US/PCT

## ASSIGNMENT

Whereas, Jie XU and Kenji SUZUKI, citizens of Japan, whose full post office addresses are c/o 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-0005 Japan and c/o 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-0005 Japan, respectively, have made an invention as described in the application for Letters Patent in the United States of America entitled

SEMICONDUCTOR WAFER CLEAVING METHOD AND APPARATUS

filed under international No. PCT/JP99/01188 on 11 March 1999.

And WHEREAS The Furukawa Electric Co., Ltd., whose full post office address is 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-0005 Japan, is desirous of acquiring the entire interest therein;

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, by these presents do sell, assign and transfer unto The Furukawa Electric Co., Ltd., the full and exclusive right, for the territory of the United States Of America, and all other countries, in and to the said invention, and we hereby request the Commissioner of Patents and Trademarks to issue said Letters Patents to The Furukawa Electric Co., Ltd., as the assignce, for the sole use and behoof of The Furukawa Electric Co., Ltd., and its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by myself had this assignment and sale not been made.

I hereby declare that all statements made herein of my 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 wilful false statements and the like so made

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are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United
States Code and that such wilful false statements may jeopardize the validity of the
application or any patent issued thereon.
· •
Executed this 17 day of reptember, 1999.  at Chiba, Japan.  The first formula of the first fo
Jie XU
Declaration by Witness
I. Eline Katsvo, whose full post office address is <u>Vragacka, Yokosuka</u> -shi Kanagawa, Jajan say:
That I was personally present and did see Jie XU, who is personally known to me,
duly sign and execute the above Assignment.
Signature of Witness
Signature of Witness
Executed this day of September 17, 1999.  at Chiba Japan.
at <u>Chiba</u> Japan.
Kenji Suzuki Kenji SUZUKI
Kenji ŠUZUKI
Declaration by Witness
1-8-9
1. Shine Katsuo . whose full post office address is Vraggoka, Yokosuke ika Japan say:
That I was personally present and did see Kenji SUZUKI, who is personally known
to me, duly sign and execute the above Assignment.
Signature of Wilness
Signature of Witness

2

**PATENT REEL: 013551 FRAME: 0687** 

**RECORDED: 12/03/2002**