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> John S. Mortimer, 30,407 Name of Person Signing

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To the Director of the U.S. Patent and Trademark Office: Please record the attached document(s) or the new address(es) below.

1. Name of conveying party(ies) and execution date:	2. Name and address of receiving party(ies):
Keiji Takai 9/20/0 Tetsuyuki Hirashima 9/20/0	6 Street Address: 10-1, Komine 2-chome, Yahatanishi-ku,
Additional name(s) of conveying party(ies) attached? □ Yes 図 N	o Zip: 806-8588 Additional name(s) address(es) attached? □ Yes ☒ No.
3. Nature of conveyance: ☐ Assignment ☐ Security Agreement ☐ Joint Research Agreement ☐ Government Interest Assignment	 □ Executive Order 9424, Confirmatory License □ Merger □ Change of Name □ Other:
4. Application or patent number(s): Description A. Patent Application Number(s):	document is being filed together with a new application B. Patent Number(s):
11/501,325 Additional numbers at	tached: □ Yes 図 No
 Name and address of party to whom correspondence concerning document should be mailed: Wood, Phillips, Katz, Clark & Mortimer Citigroup Center, Suite 3800 500 West Madison Street Chicago, Illinois 60661 Phone: (312) 876-1800 	6. Total number of applications and patents invelved 1 7. Total Fee (37 CFR 1.21(h) & 3.41) — Authorized to be charged to Deposit Account Enclosed None required (government interest not affecting title)
1/2006 DBYRNE 00000086 11501325 C:8021 (40.00 DP	8. Payment Information Deposit Account Number: 23-0785
9. SIGNATURE	

Total number of pages including cover sheet, attachment, and documents: Documents to be recorded (including cover sheet) should be faxed to (671)273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature

37 CFR 1.8 - CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 10 - 5 - 0 (date).

erri Terri Craine

> **PATENT REEL: 018386 FRAME: 0650**

ASSIGNMENT

Serial	No. 11/501,325	
Filed	August 9, 2006	

In consideration of One Dollar and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor, or each inventor if more than one, hereby assigns to Mitsui High-tec, Inc. of 10-1, Komine 2-chome, Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-8588 Japan

its successors and assigns (hereinafter called "said assignee"), the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled, Semiconductor Device and Manufacturing Method thereof

executed by the undersigned on the 20th day of September, 2006, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application.

For said consideration, the undersigned hereby agrees, upon the request and at the expense of said assignee, to execute any divisional, continuation or substitute application for said invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same should have been held and enjoyed by the undersigned if this assignment had not been made.

And for said consideration, the undersigned hereby assigns to said assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights under

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connection with any application for foreig	n letters patent therefor.
	Keiji Tafeai Keiji Takai Tetsuyuki Hirashima Tetsuyuki Hirashima
September 20 , 20 06	
STATE OFFukuoka	
COUNTY OF Japan	
to me personally known to be the signer	for the County and State aforesaid, appeared, or signers, of the foregoing instrument, and acknowledged voluntary act for the uses and purposes therein expressed.
	Notary Public
WOOD DUBLING VONCANTEN CLARK 8	

the International Convention, and agrees to execute, at the request of said assignee, all documents in

WOOD, PHILLIPS, VanSANTEN, CLARK & MORTIMER 500 West Madison Street, Suite 3800 Chicago, Illinois 60661-2511

RECORDED: 10/10/2006

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