Substitute Form PTO-1595 Attorney Docket No.: 12732-300001 Client's Ref. No.: US7983

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Name of conveying party(les):	Name and address of receiving party(les):			
(1) Tatsuya Arao;(2) Yoshitaka Dozen;(3) Daiki Yamada;(4) Eiji Sugiyama;(5) Tomoko Tamura;(6) Junya Maruyama;(7) Nozomi Horikoshi;and(8) Yuugo Goto	Semiconductor Energy Laboratory Co., Ltd. 398 Hase Atsugi-shi Kanagawa-ken 243-0036 JAPAN			
Additional name(s) attached? ☐ Yes 図 No				
3. Nature of conveyance:				
 ☒ Assignment ☒ Merger ☒ Security Agreement ☒ Change of Name ☒ Other: 				
Execution Dates: (1) August 1, 2005; (2) August 2, 2005; (3) August 2, 2005; (4) August 2, 2005; (5) August 2, 2005; (6) August 2, 2005; (7) August 2, 2005; and (8) August 3, 2005	Additional names/addresses attached? ☐ Yes 図 No			
4. Application number(s) or patent number(s):				
If this document is being filed with a new application, the execution				
A. Patent Application No(s).:	B: Patent No(s).:			
11/157,166				
Additional numbers attached? ☐ Yes 图 No				
Name/address of party to whom correspondence concerning document should be mailed:	6. Total number of applications/patents involved: 1			
CUSTOMER NO. 26171	7. Total fee (37 CFR §3.41): \$40			
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John F. Hayden	September 14, 2005			
Req. No. 37,640 Name of Person Signing Signature	Date			
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I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

September 14, 2005
Date of Transmission

Mout Coultilles Ty

April K. Saunders-Fuller
d Name of Person Signing Certificate

PATENT REEL: 016796 FRAME: 0696

<u>ASSIGNMENT</u>

For valuable consideration, We, <u>Tatsuya ARAO of Atsugi</u>, <u>Kanagawa</u>, <u>Japan</u>, <u>Yoshitaka DOZEN of Isehara</u>, <u>Kanagawa</u>, <u>Japan</u>, <u>Daiki YAMADA of Isehara</u>, <u>Kanagawa</u>, <u>Japan</u>, <u>Eiji SUGIYAMA of Atsugi</u>, <u>Kanagawa</u>, <u>Japan</u>, <u>Tomoko TAMURA of Atsugi</u>, <u>Kanagawa</u>, <u>Japan</u>, <u>Junya MARUYAMA of Ebina</u>, <u>Kanagawa</u>, <u>Japan</u>, <u>Nozomi HORIKOSHI of Isehara</u>, <u>Kanagawa</u>, <u>Japan and Yuugo GOTO of Atsugi</u>, <u>Kanagawa</u>, <u>Japan</u> hereby assign to <u>Semiconductor Energy Laboratory Co.</u>, <u>Ltd.</u>, a <u>Japanese</u> corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME filed June 21, 2005, and assigned U.S. Serial Number 11/157,166, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignce to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature:	Tatsuya Arao	Signature:	Tomoko Tamura
Name:	Tatsuya ARAO	Name:	Tomoko TAMURA 08/02/2005
Date:	08/01/2005	Date:	08/02/2000
Signature:	Yoshitaka Dozen	Signature:	Junya Maruyam.
Name:	Yoshitaka DOZEN	Name:	Junya MARUYAMA
Date:	08/02/2005	Date:	08/02/205
	Deiki YAMADA Daiki YAMADA 081 021 2005	Signature: Name: Date:	Nozomi Horikoshi Nozomi HORIKOSHI 08/02/2005
Signature: Name: Date:	Ejji Sugiyama Ejji SUGIYAMA 08/02/2005	Signature: Name: Date:	Yvugo: Goto Yvugo GOTO 08/03/2005

PATENT REEL: 016796 FRAME: 0697

RECORDED: 09/14/2005