12/29/04

FORM PTO-1595

01-12-2005



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

(Rev. 10/02) Docket No.: 50099-304 102917964 To the Honorable Commissioner for Pate record the attached original documents or copy thereto: 1. Name of Conveying Party(ies): 2. Name and address of receiving party(ies): Hiroshi SAKATA, Tomofumi TANAKA Name: MITSUBISHI DENKI KABUSHIKI KAISHA Address: 2-3, Marunouchi 2-chome, Additional name(s) of conveying party(ies) attached?

Yes

No Chiyoda-ku 3. Nature of Conveyance: Tokyo 100-8310 JAPAN Merger Change of Name Security Agreement Other **Execution Date:** November 16, 2004, November 16, 2004 Additional name(s) & address(es) attached? Yes No 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: November 16, 2004, November 16, 2004 B. Patent No(s). A. Patent Application No(s). Additional numbers attached? Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP 7. Total fee (37 CFR 3.41) \$40.00 Internal Address: Enclosed Authorized to be charged to deposit account Street Address: 600 13th Street, N.W. 8. Deposit account number: 500417 City: Washington D.C. 20005-3096 State: Zip: 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. Stephen A. Becker, 26,527 December 29, 2004 Name and Registration No. of Person Signing Date Total number of pages including cover sheet: OMB No. 0651-0027 (exp. 6/30/2005)

01/11/2005 ECOOPER 00000209 500417 11023590 01 FC:8021 40.00 BA

Name:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which	
s hereby acknowledged, the undersigned,	

(1) Hiroshi SAKATA	(4)
(2) Tomofumi TANAKA	(5)
(3)	
who have made a certain new and useful invention, h MITSUBISHI DENKI KABUSHIKI KAISHA	
its successors and assigns (hereinafter designated "ASS as defined in 35 U.S.C. 100 in the invention entitled SEMICONDUCTOR DEVICE AND SEMICONDUCTOR	SIGNEE") the entire right, title and interest for the United States of America
(a) for which an application for United States Letters Pat	tent was filed on, and identified by United States Serial
(b) for which an application for United States Letters	Patent was executed on November 16, 2004
United States Letters Patent which may be granted therefor or continuations-in-part thereof, and the right to all benefit to the said ASSIGNEE, for its interest as ASSIGNEE, the attorneys of recorded in said application shall here AND the undersigned hereby agree to transfer a land obtaining original, divisional, reissued or extended	United States Commissioner of Patents and Trademarks to issue any and all rand any and all extensions, divisions, reissues, substitutes, renewals, continuations, fits under the International Convention for the Protection of Industrial Property, its successors, assigns, and legal representatives; the undersigned agree that eafter act on behalf of said ASSIGNEE; like interest, and to render all necessary assistance in making application for Letters Patent of the United States, upon request of the said ASSIGNEE, its hout further remuneration, in and to any improvements, and applications for
patent based thereon, growing out of or related to the said	id invention; and to execute any papers by the said ASSIGNEE, its successors, SSIGNEE's full protection and title in and to the invention hereby transferred.
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
1) Niroshi Sakata	November 16, 2004
Hiroshi SAKATA Name:	
2) Tomofumi Tanaha Tomofumi TANAKA	November 16, 2004
Name: TOMOTUMI TANAKA	
3)	
Name:	
Name:	
Name: 5)	
Name:	

PATENT.

PATENT.

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ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and	sufficiency of which	
is hereby acknowledged, the undersigned,		

(1) Hiroshi SAKATA	(4)
(2) Tomofumi TANAKA	
(3)	
who have made a certain new and useful invention, MITSUBISHI DENKI KABUSHIKI KAISH	hereby sell, assign and transfer unto
its successors and assigns (hereinafter designated "AS as defined in 35 U.S.C. 100 in the invention entitled SEMICONDUCTOR DEVICE AND SEMICON	IDUCTOR DEVICE MODULE
(a) for which an application for United States Letters Pa	atent was filed on, and identified by United States Seria
No; or	
(b) for which an application for United States Letters	s Patent was executed on <u>November 16</u> , 2004
United States Letters Patent which may be granted therefor or continuations-in-part thereof, and the right to all bene to the said ASSIGNEE, for its interest as ASSIGNEE the attorneys of recorded in said application shall be	e United States Commissioner of Patents and Trademarks to issue any and all or and any and all extensions, divisions, reissues, substitutes, renewals, continuation refits under the International Convention for the Protection of Industrial Propert E, its successors, assigns, and legal representatives; the undersigned agree that creafter act on behalf of said ASSIGNEE; a like interest, and to render all necessary assistance in making application for
and obtaining original, divisional, reissued or extende successors, assigns and legal representatives, and wi patent based thereon, growing out of or related to the sa	Id Letters Patent of the United States, upon request of the said ASSIGNEE, its ithout further remuneration, in and to any improvements, and applications for aid invention; and to execute any papers by the said ASSIGNEE, its successors ASSIGNEE's full protection and title in and to the invention hereby transferred
SIGNED on the dates indicated aside our signatures	:
INVENTORS	DATE SIGNED
1) Kiroshi Sakata Hiroshi SAKATA	November 16, 2004
Name:	November 16, 2004
Name: Tomofumi TANAKA	
3)	· · · · · · · · · · · · · · · · · · ·
Name:	
4)	
Name:	
5)	
Name:	

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Name: