	03-25-2	2004	<del></del>	
			Patent and	ment of Commerce Trademark Office <b>ATENT</b>
TO: The Commissioner of Patents at	1027 <u>03</u>	1.49 iu ine aliac	ned original document	t(s) or copy(ies).
Submission Type  New Resubmission (Non-Recordation) Document ID # Correction of PTO Error Reel # Frame # Corrective Document Reel # Frame #	3.18.64	Conveyance T  Assignment License Merger Security Agr Change of N Other:	ype : reement	0/802824
Conveying Party(ies) 1. Yoichiro TARUI 2. Ken-ichi OHTSUKA 3. Masayuki IMAIZUMI 4. Hiroshi SUGIMOTO 5. Tetsuya TAKAMI 6.  Mark if Additional Names of Conve	ving Parties Attache	d	Execution Date March 5, 2004	(a) 8 T
Receiving Party  Name Mitsubishi Denki Kab Name Address 2-3, Marunouchi 2-ch Address Chiyoda-ku Address Tokyo City  Mark if Additional Names of Receiv	oushiki Kaisha nome <u>Japan</u> State/Cou	0802824 intry	<u>100-8310</u> Zip Code	
Correspondent Name and Address  Jeffrey A. Wyand Leydig, Voit & Mayer 700 Thirteenth St., N.W. Suite 300 Washington, D.C. 20005-3960  Pages Enter the total number of pages	ages of the attached	I conveyance doc	Facsim Attorney Docket	ne: (202) 737-6770 iile: (202) 737-6776 No. 403009/SOGA ttachments: 1
Application Number(s) or Patent Number(s)				
Patent Application Num	bers		Patent Numbers	<u> </u>
				·
		<del> </del>		<del>                                     </del>
If this document is being filed together with a <i>new</i> Patent Application, enter the date the patent application was signed by the first named executing inventor.  Patent Cooperation Treaty (PCT)			Month Day Year March 5, 2004	
Enter PCT application number only if a Number has not been assigned.	U.S. Application	PCT	PCT	PCT
24/2004 DBYRNE 00000103 121216 10802824		PCT	PCT	PCT
Number of Properties		Enter th	e total number of prop	erties involved: 1
Fee Amount  Fee Amount for Properties Listed (37 CFR 3.41): 40.00  Method of Payment:  Enclosed is a check in the amount of \$  Charge Deposit Account No. 12-1216  Authorization to Charge Additional Fees to Deposit Account No. 12-1216: Yes No				
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. Charges to deposit account are authorized, as indicated herein.				
Jeffrey A. Wyand, Reg. No. 29,458  Name of Person Signing  Date  Date				

Assignment Tml P1

PATENT

**REEL: 015122 FRAME: 0419** 

ASSIGNMENT
In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,  Yoichiro TARUI, Ken-ichi OHTSUKA, Masayuki IMAIZUMI, Hiroshi SUGIMOTO
and Tetsuya TAKAMI
hereby sells, assigns and transfers to
MITSUBISHI DENKI KABUSHIKI KAISHA
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN
(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest
in and to:
(i) the application for United States Letters Patent entitled
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME
which was executed by the undersigned on the dates indicated below
or was filed on and accorded Serial No.
(hereinafter called the Application);
<ul> <li>(ii) any and all inventions and improvements which are described in the Application;</li> <li>(iii) any and all United States Letters Patents which may be granted on the Application</li> </ul>
(hereinafter called Patent);
(iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or
extensions
of the Application or Patent; and
(v) all benefits under the International Convention for the Protection of Industrial
Property.
Said Assignee of said patent application and the attorneys appointed to prosecute said
patent application are authorized to insert in this instrument the filing date and serial number
of said application.
The Commissioner of Patents and Trademarks is authorized to issue any and all of said
Letters Patent, when granted, to said Assignee.
Further, it is agreed that, when requested, without charge to but at the expense of said
Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent
applications; execute all additional assignments and other writings, including reexamination
papers; and provide all reasonable assistance requested by the Assignee to secure and maintain
appropriate patent protection.

(Masayuki IMAIZUMI) Masayuki Imaizumi Mar. 5, 2004

(Hiroshi SUGIMOTO) Hirohi Suytnæ Mar. 5, 2004

(Tetsuya TAKAMI) Tetsuya Takami Marh. 5, 2004

Yorchira

(Ken-ichi OHTSUKA) Ken-ichi Utrata

**RECORDED: 03/18/2004** 

INVENTOR(S):

(Yoichiro TARUI)

PATENT REEL: 015122 FRAME: 0420

DATE

march 5, 2004

March 5. 2004