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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks Please record the attached original documents or copy thereto: 1. Name of Conveying Party(ies): Astash HACHISUKA, Hiroyasu NOHSOH, and Shinya SOEDA Additional name(s) of conveying party(ies) attached? Additional name(s) of conveying party(ies) attached? Yes	Doction 1900. 017	248253
Additional name(s) of conveying party(ies) attached? Yes 3. Nature of Conveyance: Merger Security Agreement Change of Name Other Execution Date: February 22, 2000 Additional name(s) & address(es) attached? Yes 4. Application number(s) or patent number(s): 0 2 5 4 2	To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereto:
Additional name(s) of conveying party(ies) attached?	1. Name of Conveying Party(ies):	2. Name and address of receiving party(ies):
Additional name(s) of conveying party(ies) attached?	Atsushi HACHISUKA, Hiroyasu NOHSOH, and Shinya	Name: Mitsubishi Denki Kabushiki Kaisha
Additional name(s) of conveying party(ies) attached?	SOEDA	
3. Nature of Conveyance: Assignment		Address: 2-3, Marunouchi 2-chome, Chiyoda-ku
Additional name(s) & address(es) attached?	Additional name(s) of conveying party(ies) attached? Yes	<i>ii</i> 00
Gother Change of Name Other	3. Nature of Conveyance:	TOKYO 100-8310, JAPAN
Additional name(s) & address(es) attached? Yes		86.0
Additional name(s) & address(es) attached? 4. Application number(s) or patent number(s): 4. Application number(s): 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)	☐ Security Agreement ☐ Change of Name	
Additional name(s) & address(es) attached? 4. Application number(s): 095-8876 If the document is being filed together with a new application, the execution date of the application is: February 22, 2000 A. Patent Application No(s). B. Patent No(s). Additional numbers attached? Yes 5. Name and address of party to whom correspondence concerning document should be mailed: Name MCDERMOTT, WILL & EMERY Internal Address: Authorized to be charged to deposit account Street Address: Street Address: OD 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. Gene Z. Rubinson, 33,351 April 4, 2000 Name and Registration No. of Person Signing Signature Date Total number of pages comprising cover sheet: 1		
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	Name and Registration No. of Person Signing	Signature Date
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	CMB No. 0851-0011 (exp. 4/94)	

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FORM PTO-1596 4-4-00 1-31-92

> PATENT REEL: 010758 FRAME: 0691

Docket No.:

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) Atsushi HACHISUKA (4)	(7)
	(8)
(3) Shinya SOEDA (6)	(9)
who have made a certain new and useful invention, hereb	by sell, assign and transfer unto
Mitsubishi Denki Kabushiki Kaish	a of
2-3, Marunouchi 2-chome, Chiyoda	-ku, TOKYO 100-8310 JAPAN
its successors and assigns (hereinafter designated "ASSIG as defined in 35 U.S.C. 100 in the invention entitled	NEE") the entire right, title and interest for the United States of America
METHOD OF MANUFACTURING S	EMICONDUCTOR DEVICE
(a) for which an application for United States Letters Pa Serial No; or	tent was filed on, and identified by United States
(b) for which an application for United States Letters Pa	tent was executed on February 22, 2000,
United States Letters Patent which may be granted there continuations, or continuations-in-part thereof, and the right Industrial Property to the said ASSIGNEE, for its interfundersigned agree that the attorneys of record in said approximately approximately agree to transfer a land obtaining original, divisional, reissued or extended L successors, assigns and legal representatives, and without find based thereon, growing out of or related to the said invention	atted States Commissioner of Patents and Trademarks to issue any and all efor and any and all extensions, divisions, reissues, substitutes, renewals, ght to all benefits under the International Convention for the Protection of rest as ASSIGNEE, its successors, assigns and legal representatives; the olication shall hereafter act on behalf of said ASSIGNEE: ike interest, and to render all necessary assistance in making application for etters Patent of the United States, upon request of the said ASSIGNEE, its urther remuneration, in and to any improvements, and applications for patent on; and to execute any papers by the said ASSIGNEE, its successors, assigns a signs and to the invention hereby transferred.
SIGNED on the dates indicated aside our signatures: INVENTORS	DATE SIGNED
1) Mame: Atsushi HACHIŞUKA	February 22, 2000
Name: Atsushi HACHIŞUKA	
2) Hirryas Johsoh Name: Hiroyasu NOHSOH	February 22, 2000
3) Shinya Aveda Name: Shinya SOEDA	February 22, 2000
4) Name:	
5) Name:	
Name:	
7) Name:	
8) Name:	
9) Name:	

RECORDED: 04/04/2000

PATENT REEL: 010758 FRAME: 0692