Atty Docket No.: 08-09-2001 FORM P 1'O-1395 U.S. DEPARTMENT OF COMMERC 1-31-92 Patent and Trademark Offic To the Honorable Comprissioner of Patents 101805614 original documents or copy thereof. 1. Name of conveying party 2. Name and address of receiving party(ies): Mitsutaka IWASAKI, Hitoshi TODA and Hisashi KAWAFUJI MITSUBISHI DENKI KABUSHIKI Name: KAISHA 8/3-61 Address: 2-3, Marunouchi, 2-Chome, Chiyoda-Ku, Tokyo, 100-8310 JAPAN Additional name(s) of conveying party(ies) attached? □Yes □No 3. Nature of Conveyance: Assignment □ Merger □ Security Agreement □ Change of Name □ Other February 14, 2001 Additional name(s) and address(es) attached? □Yes ■No Execution Date: 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 29/138,197 Additional numbers attached? □Yes ■No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: concerning document should be mailed:

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> **PATENT** REEL: 012042 FRAME: 0165

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	WHEREAS, I (WE) Mitsutaka IWASAKI c/o MITSUBISHI DENKI KABUSHIKI
NSERT NAMES	KAISHA 2-3, Marunouchi, 2-Chome, Chiyoda-Ku, Tokyo, 100-8310 JAPAN
ND RESIDENCE ADDRESSES OF THE INVENTORS:	
	Hitoshi TODA c/o MITSUBISHI DENKI KABUSHIKI KAISHA
	2-3, Marunouchi, 2-Chome, Chiyoda-Ku, Tokyo, 100-8310 JAPAN
	Hisashi KAWAFUJI c/o FUKURYO SEMI-CON ENGINEERING CORPORATION
	1-1,Imajyukuhigashi 1-Chome, Nishi-Ku, Fukuoka, 819-0192 Japan
•	
	, respectively,
SERT TITLE F INVENTION:	have invented certain new and useful improvements in: Semiconductor device
ISERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application for Letters Patent was executed on February 14, 2001
	(Application No
SERT NAME ND ADDRESS OF OMPANY OR THER ASSIGNEE:	WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA
	(hereinafter referred to as "ASSIGNEE") having a place of business at:
	2-3, Marunouchi, 2-Chome, Chiyoda-Ku, Tokyo, 100-8310 JAPAN
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Hebruay. 14. 200/	Mitataka Qwasahi
•	(Signature of Inventor) Mitsutaka IWASAKI
Date: February, 14. 2001	(Signature of Inventor) Library TODA
,	Hitoshi 100A
Date: February . 14 200/	Gignature of Inventor) Hisashi KAWAFUJI
/	(Signature of Inventor) Hisashi KAWAFUJI
Date:	
	(Signature of Inventor)
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Date:	(Signature of Inventor)
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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