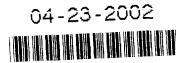
MATSUMOTO

☐ Other

Noboru MORIMOTO, Kinya GOTQ and Masabiro

Additional name(s) of conveying party(is) attached ☐Yes ⊠No



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Name: MITSUBISHI DENKI KABUSHIKI KAISHA

2-3, Marunouchi 2-chome, Chiyoda-ku, Address:

TOKYO 100-8310 JAPAN



3. Nature of Conveyance:

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1. Name of conveying party(ies):

Execution Date:

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PATENT REEL: 012804 FRAME: 0922

	WHEREAS, I (WE) Noboru MORIMOTO, Kinya COTO and Masahiro MATSUMOTO, all of		
	c/o MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO		
SERT NAMES D RESIDENCE DRESSES OF E INVENTORS:	100-8310 JAPAN		
SERT TITLE INVENTION:	have invented certain new and useful improvements in: SEMICONDUCIOR DEVICE COMPRISING		
	MIM-TYPE CAPACTIOR AND METHOD OF MANUFACTURING THE SAME ,		
SERT DATE IN- INTORS SIGNED ICLARATION:	for which an application for Letters Patent was executed on March 29, 2002		
	(Application No, filed), and		
SERT NAME ND ADDRESS OF	WHEREAS, MITISUBISHI DENKI KABUSHIKI KAISHA		
DMPANY OR FHER ASSIGNEE:	(hereinafter referred to as "ASSIGNEE") having a place of business at: 2-3, Maruncuchi		
	2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN		
	2-chore, Chiyota-ku, 10x10 100-2010 craft. 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 ir 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 exclusive right to the said invention in the United States and its territorial possessions and		

NOW, THEREFORE, in consideration of the sum of TVE BOBLE and receipt whereof is hereby acknowledged, and for other good and valuable consideration, 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 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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PATENT REEL: 012804 FRAME: 0923 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:	March 29, 2002	Noberu Morinoto
Date.		(Signature of Inventor) Noboru MORIMOTO
Date:	March 29, 2002	(Signature of Inventor) Kirrya DIO Morsafuro Matanmato
		(Signature of Inventor) Kirrya (DIO)
Date:	March 29, 2002	(Circulation)
		Masahiro MAISMOIO
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. ATTORNEYS AT LAW

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PATENT REEL: 012804 FRAME: 0924

RECORDED: 04/16/2002