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	narks: Please record the attached original documents or copy thereto:	
1. Name of Conveying Party(ies):	2. Name and address of receiving party(ies):	
Mahito SAWADA, Hiroshi TOBIMATSU, Kouji ODA,	Name: MITSUBISHI DENKI KABUSHIKI KAISHA	
Yuuki KAMIURA, Kouji SHIBATA and Hiroyuki KAWAT.	A	
06/14/02	Address: 2-3, Marunouchi, 2-Chome	
Additional name(s) of onveying party(ies) attached? Yes	Chiyoda-ku	
3. Nature of Conveyance:	Tokyo 100-8310, JAPAN	
☐ Assignment ☐ Merger	7ic	
☐ Security Agreement ☐ Change of Nam	e 20.3	
Other	11.	
Execution Date: May 24, 2002		
	Additional name(s) & address(es) attached? Yes	
4. Application number(s) or patent number(s):		
If the document is being filed together with a new applica-	tion, the execution date of the application is: May 24, 2002	
A. Patent Application No(s).	B. Patent No(s).	
$\neg Q$		
12/5/7		
10/1705/1		
Additional r	numbers attached? Yes	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:	
concerning document should be mailed:		
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> PATENT REEL: 013012 FRAME: 0245

Docket No.:

RECORDED: 06/14/2002

ASSIGNMENT

In consideration of the premises an is hereby acknowledged, the undersigned,	nd other good and valuable conside	eration in hand paid, the receipt and sufficiency of which
(1) Mahito SAWADA	(4) Yuuki KAMIURA	(7)
(2) Hiroshi TOBIMATSU		
(3) Kouji ODA		
who have made a certain new and useful in	· ·	
)Mitsubishi Denki Kabushi 2-3, Marunouchi 2-chome,	iki Kaisha of	100 0210
2)Ryoden Semiconductor Sys	stem Engineering Cor	poration of
4-1, Mizuhara, Itami-shi	., HYOGŎ 664-00Ŏ5 JA	PAN
its successors and assigns (hereinafter designs defined in 35 U.S.C. 100 in the invention	gnated "ASSIGNEE") the entire ron entitled	ight, title and interest for the United States of America
SEMICONDUCTOR DEVICE AND	MANUFACTURING METH	OD THEREOF
(a) for which an application for United St Serial No; or (b) for which an application for United St		, and identified by United States
(b) for which an application for Officed St	tales Letters Fatelli was executed	on <u>May 24, 2002</u>
United States Letters Patent which may be continuations, or continuations-in-part ther Industrial Property to the said ASSIGNE undersigned agree that the attorneys of recamble AND the undersigned hereby agree and obtaining original, divisional, reissued successors, assigns and legal representatives based thereon, growing out of or related to the continuation of the said ASSIGNE.	e granted therefor and any and a reof, and the right to all benefits up. E. for its interest as ASSIGNEE for in said application shall hereate to transfer a like interest, and to for extended Letters Patent of the s, and without further remuneration the said invention; and to execute a	ssioner of Patents and Trademarks to issue any and all ll extensions, divisions, reissues, substitutes, renewals, ander the International Convention for the Protection of its successors, assigns and legal representatives; the after act on behalf of said ASSIGNEE: render all necessary assistance in making application for United States, upon request of the said ASSIGNEE, its it, in and to any improvements, and applications for patent my papers by the said ASSIGNEE, its successors, assigns and title in and to the invention hereby transferred.
SIGNED on the dates indicated aside our s INVENTORS	signatures:	DATE SIGNED
1) Mahito Sawada Name: Mahito SAWADA		May 24, 2002
2) Mitoshi Hobima En Name: Hiroshi TOBIMATSU		May 24, 2002
Name: Kouji ODA		May 24. 2002
4) <u>Jurki Kamina</u> Name: Yuuki KAMIURA		May 24. 2002
5) <u>Kouju Shihata</u> Name: Kouji SHIBATA		May 24, 2002
6) Hiroyuki KAWATA Name: Hiroyuki KAWATA		May 24, 2002
7) Name:		
8) Name:	Wa_1_	
9) Name:		

PATENT REEL: 013012 FRAME: 0246