12-09-1999

FORM PTG 1596 R 1-31-92	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
Docket No.: 49657-506 1013	218560
To the Honorable Commissioner of Patents	La original documents or copy thereto:
1. Name of Conveying Parties:	2. Name and address of receiving party:
Takaaki KAWAHARA, Mikio YAMAMUKA, Tsuyoshi	Name: Mitsubishi Denki Kabushiki Kaisha
HORIKAWA, Masayoshi TARUTANI, Takehiko SATO, and	0 ==
Shigeru MATSUNO	Address: 2-3, Marunouchi 2-chome
Additional name(s) of conveying party(ies) attached? Yes	Chiyoda-ku
3. Nature of Conveyance:	Tokyo 100-8310, JAPAN
☐ Assignment ☐ Merger	di di
☐ Security Agreement ☐ Change of Name	
Other	
Execution Date: September 14, 1999	Additional name(s) & address(es) attached? Yes
4. Application number(s) or patent number(s):	797
If the document is being filed together with a new application,	the execution date of the application is: September 14, 1999
A. Patent Application No(s).	B. Patent No(s).
1	
Additional numb	ers attached? Yes
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1
concerning document should be mailed:	
Name: MCDERMOTT, WILL & EMERY	7. Total fee (37 CFR 3.41) \$40.00
Internal Address:	☐ Enclosed
	Authorized to be charged to deposit account
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of the original accument.	* 1
Stephen A. Becker, 26,527	November 22, 1999
Name and Registration No. of Person Signing	Signature Date
	Total number of pages comprising cover sheet: 1
CMB No. 0851-0011 (exp. 4/94)	1.0

01 FC:581 40.00 CH

PATENT REEL: 010420 FRAME: 0215 Docket No.:

ASSIGNMENT

In consideration of the premises is hereby acknowledged, the undersigne		aluable consideration in	hand paid, the receipt and sufficiency of w	vhich
(1) Takaaki KAWAHARA	(4) Masayo	shi TARUTANI	(7)	
(2) Mikio YAMAMUKA	(5) Takehi	ko SATO	(8)	
(3) Tsuyoshi HORIKAWA	(6) Shiger	u MATSUNO	(9)	
who have made a certain new and usefu	I invention, hereby s	ell, assign and transfer u	into	
Mitsubishi Denki Kabus 2-3, Marunouchi 2-chom	hiki Kaisha e, Chiyoda-k	of u, TOKYO 100-8	B310 JAPAN	
its successors and assigns (hereinafter das defined in 35 U.S.C. 100 in the investor	esignated "ASSIGNE ntion entitled	E") the entire right, title	e and interest for the United States of Am	erica
METHOD OF FORMIN	NG HIGH DIELE ACTURING SEMI	CTRIC CONSTAN'	T THIN FILM AND ICE	
(a) for which an application for United Serial No.	States Letters Patent or	was filed on	and identified by United S	tates
(b) for which an application for United	States Letters Patent	was executed on Sept	ember 14, 1999	
United States Letters Patent which may continuations, or continuations-in-part of Industrial Property to the said ASSIGN undersigned agree that the attorneys of AND the undersigned hereby agand obtaining original, divisional, reissuspections, assigns and legal representations based thereon, growing out of or related	be granted therefor hereof, and the right NEE, for its interest record in said applicance to transfer a like ted or extended Lette ves, and without furth to the said invention;	and any and all extens to all benefits under the as ASSIGNEE, its suction shall hereafter act of interest, and to render all rs Patent of the United Ser remuneration, in and to and to execute any paper	of Patents and Trademarks to issue any and ions, divisions, reissues, substitutes, rener International Convention for the Protection cessors, assigns and legal representatives on behalf of said ASSIGNEE: I necessary assistance in making application of the said ASSIGNES of any improvements, and applications for part of the said ASSIGNES, as in and to the invention hereby transferred	on of s; the on for E, its patent ssigns
SIGNED on the dates indicated aside of INVENTORS			DATE SIGNED	
0 0 k	0.5	Sent	ember 14, 1999	
Name: Takaaki KAWAHARA				
2) <u>Mikic Yaman</u> Name: Mikio YAMAMUKA	ruker	Sept	ember 14, 1999	
3) Name: Tsuyoshi HORIKAW		Sept	ember 14, 1999	
4) Mane: Masayoshi TaruTA	$\frac{t_{i}}{t_{i}}$	Sept	ember 14, 1999	
5) <u>Jakehiko Sato</u> Name: Takehiko SATO	11 1	Sept	ember 14, 1999	
6) Tuyen matrino Name: Shigeru MATSUNO		Sept	ember 14, 1999	
7) Name:				
8) Name:				
9)				
Name:				

PATENT REEL: 010420 FRAME: 0216