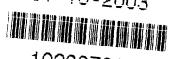
01-15-2003



U.S. DEPARTMENT OF COMMERCE

1-31-92	102337618	Patent and Trademark Office		
Docket No.: 57454-843	PATENTS UNL.	inimal demonstration of the second		
To the Honorable Commissioner for Patents and T				
1. Name of Conveying Party(ies): 1-9-0		- · ·		
Masayo NAKANO		DENKI KABUSHIKI KAISHA		
_	Address: 2-3, Marunouch	i 2-chome,		
Additional name(s) of conveying party(ies) attached?	Yes Chiyoda-ku,	39 E		
3. Nature of Conveyance:	TOKYO 100-83	S10 JAPAN		
		200 <b>33</b>		
☐ Security Agreement ☐ Change of	Name	100		
Other		ii 懂		
Execution Date: November 21, 2002				
	Additional name(s) & addres	ss(es) attached?  Yes		
4. Application number(s) or patent number(s):	338636			
If the document is being filed together with a new ap	plication, the execution date of the application	eation is: November 21, 2002		
A. Patent Application No(s).	B. Patent No(s).			
Additional numbers attached?  Yes				
5. Name and address of party to whom correspondence		ons and patents involved:		
concerning document should be mailed:	•	1		
Name: MCDERMOTT, WILL & EMERY	7. Total fee (37 CFR 3.41)	\$40.00		
Internal Address:	Enclosed	Ψ10.00		
The hat Address.		rged to deposit account		
C	1	iged to deposit account		
Street Address: 600 13 <sup>th</sup> Street, N.W.	8. Deposit account number:			
	500417			
City Washington State: DC Zip:	20005			
n	O NOT USE THIS SPACE			
	ONOT 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.				
	Long			
Stephen A. Becker, 26,527	BULL	January 9, 2003		
Name and Registration No. of Person Signing	Signature	Date		
	Total number of pages compr	ising cover sheet: 1		
CMB No. 0851-0011 (exp. 4/94)				

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FORM PTO-1596

**PATENT REEL: 013650 FRAME: 0228** 

## **ASSIGNMENT**

WHEREAS,	Masaya	NAKANO	
	ne "Assignor," has in		nd useful invention entitled VARIABLE
REFERENCE VOI	TAGE		, for which he has:
(a)	filed an application		s Letters Patent on ); or
(b)	November 21, 2	002 ; <b>o</b> r	States Letters Patent on
(c)	filed a provisional a as (Serial No.	application on	); and

WHEREAS, <u>Mitsubishi Denki Kabushiki Kaisha</u>, a corporation organized and existing under the laws of <u>Japan</u>, having a place of business at: <u>2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN</u>, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignor from the said Assignee is hereby acknowledged, the said Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

PATENT REEL: 013650 FRAME: 0229 And the said Assignor does hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery the power to insert on this Assignment any further identification 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.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignor has hereunto set his hands and affixed his seal.

Date: November 21, 2002 Masaya Nakano

(Seal) Masaya NAKANO

RECORDED: 01/09/2003