FORM PTO-1596

ころつうにフェイイ

U.S. DEPARTMENT OF COMMERCE

Docket No.: 57454-881 PATEN	TS ONLY
	: Please record the attached original documents or copy thereto:
Name of Conveying Party(ies):	2. Name and address of receiving party(ies):
Takafumi TAKATSUKA, Hirotoshi SATO and Masaki	Name: MITSUBISHI DENKI KABUSHIKI KAISHA
TOTAL TELEVISION OF THE PROPERTY OF THE PROPER	Panie. Wittsubishi Denki Kabushiki Kaisha
1-28-63	A B B B B B B B B B B B B B B B B B B B
_	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	
Security Agreement Change of Name	· · · - ·
Other	
Execution Date: December 27, 2002	
	Additional name(s) & address(es) attached? Yes
4. Application number(s) or patent number(s): 1352	718
If the document is being filed together with a new application,	the execution date of the application is: December 27, 2002
A. Patent Application No(s).	B. Patent No(s).
Additional numb	ers attached? Yes
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:
concerning document should be mailed:	•
Name: MCDERMOTT, WILL & EMERY	7. Total fee (37 CFR 3.41) \$40.00
Internal Address:	Enclosed
Internal Madicos.	Authorized to be charged to deposit account
Street Address: 600 13 th Street, N.W.	
Street Address: 000 15 Street, N. W.	8. Deposit account number:
G. W. 1.	500417
City: Washington State: DC Zip: 20005	
DO NOT II	SE THIS SPACE
9. Statement and signature.	SE THIS SPACE
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	ormation is true and correct and any attached copy is a true copy
of the original document.	
	al 0007
Stephen A. Becker, 26,527	January 28, 2003
Name and Registration No. of Person Signing	Signature Date
	Total number of pages comprising cover sheet: 1
CMB No. 0851-0011 (exp. 4/94)	

02/05/2003 DBYRHE 00000005 500417 10352218 40.00 CH 01 FC:8021

> **PATENT REEL: 013716 FRAME: 0470**

ASSIGNMENT

W	HEREAS,	Takafumi '	rakatsuka,	Hirotos	shi SATO	and ,
Masal	ki TSUKU	DE				
		ne "Assignors," IDDEN_REFRE				useful invention MEMORY
					, for	which he has:
	(a)	filed an applic	as (Seria	i No); or
	(b)	December 27,			ates Lette	rs Patent on
	(c)	filed a provision as (Serial No.	, ,			

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 Assignors from the said Assignee is hereby acknowledged, the said Assignors have 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: 013716 FRAME: 0471 And the said Assignors do 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 Assignors have hereunto set his hands and affixed his seal.

Date: December 27, 2002	Takafumi Takatsuka
(Seal)	Takafumi TAKATSUKA
Date: December 27, 2002	/ Lirotoski Sato
(Seal)	Hirotoshi SATO
Date: December 27, 2002	Masahi Isuhade
(Seal)	Masaki TSUKUDE
Date:	
(Seal)	

RECORDED: 01/28/2003