**FORM PTO-1595** U.S. DEPARTMENT OF COMMERC 12-13-1999 Patent and Trademark Office OMB No. 0651-0011 (exp. 4/94) Attorney Dkt. No. 43889-65 101190309 To the Honorable Commissioner of Pater ad original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(s): Osamu ISHIKAWA, Takahiro YOKOYAMA, Taketo KUNIHISA, Masaaki NISHIJIMA, Shinji YAMAMOTO, Name: Matsushita Electric Industrial Co., Ltd. Junji ITOH, Toshio FUJIWARA, and Kaoru Street Address: 1006 Oaza Kadoma, Kadoma-shi **MURAMATSU** Osaka 571, JAPAN Additional name(s) of conveying party(ies) attached? 

Yes 
No 3. Nature of conveyance: X Assignment □ Merger Additional name(s) & address(es) attached? □Yes ⊠ N □ Security Agreement ☐ Change of Name Other Execution Date: July 30, 1997 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: July 30, 1997 A. Patent Application No.(s): B. Patent No.(s) 08-942 443 Additional numbers attached? 

☐ Yes 
☐ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: Edward E. Kubasiewicz, Esq., McDermott, Will & Emery Internal Address: 7. Total fee (37 CFR 3.41)......\$40.00 **E** Enclosed X Authorized to be charged to deposit Account Street Address: 1850 K Street, N.W., Suite 450

Michael E. Fogarty Reg. No. 36,139
Name of Person Signing
Total number of pages including cover sheet, attachments, and document: 3

City: Washington, State: D.C. ZIP: 20006-2296

2/13/1999 DEDATES 00000086 130203

9. Statement and signature.

FC:581

document.

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Mail documents to be recorded with required cover sheet information to:

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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

8. Deposit Account No:

PATENT REEL: 010262 FRAME: 0856

13-0203

Attorney Docket No.: 43889-656

## **ASSIGNMENT**

	, Osamu ISHIKAWA, Takahiro YOKOYAMA, Taketo K YAMAMOTO, Junji ITOH, Toshio FUJIWARA, Kad	1
	ne "Assignors," have jointly invented a new and useful i	nvention entitled
		or which they have:
(a)	filed an application for United States Letters Patent as (Serial No	
(b)	executed an application for United States Letters Pa	tent on
a corporation organ 1006 Oaza Kadoma hereinafter called the to said invention, the	, Matsushita Electric Industrial, Co., Ltd. ized and existing under the laws of Japan, having a , Kadoma-shi, Osaka 571, Japan e "Assignee," is desirous of acquiring the entire right, title application above identified, and in, to and under any lead invention, as hereinafter more fully set forth;	le and interest in and

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.

And the said Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist their said Assignee in the prosecution of the application

PATENT REEL: 010262 FRAME: 0857 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.

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

IN TESTIMONY WHEREOF, the said Assignors have hereunto set their hands and affixed their seals.

Date: July 30, 1997	Osamu Ishikawa (Seal)
WITNESSED:	
Date: August 12 1997	Yasuhito KUMABUCHI  Yasuhito KUMABUCHI
Date: July 31. 1997	Tukiko MINE (Seal)
Date: July 30, 497	Jokuhir Jokojama (Seal) Takahiro YOKOYAMA
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Date: July 31. 1997	Juliho Mine (Seal)

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Date: July 31. 1997	Yuhiho Mine (Seal)

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PATENT REEL: 010262 FRAME: 0860

**RECORDED: 10/01/1997**