FORM PTO-1595 RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office				
_{₩\$} ## 06-06	-2000	Tatelle and Tradellark Office		
To the Honorable Commissioner of Pa		tached original documents or copy thereof.		
1. Name of conveying party(ies): 10137	4731	dress of receiving party(ies):		
1. Name of conveying party(les).		diess of receiving party(les).		
Alchina Nakana Vanii Nada and Tarihatu	Name: Matsushita Electric Industrial Co., Ltd.			
Akihisa Nakano, Kouji Noda, and Tosikatu Maeda	Internal Address:			
Additional name(s) of conveying party(ies) attachod? □ Yes □ No				
3. Nature of Conveyance:				
☑ Assignment ☐ Merger	Street Address:	1006, Kadoma, Kadoma-shi		
☐ Security Agreement ☐ Change of Name	City: Osaka 5	State: <u>JAPAN</u> Zip: _		
☐ Other Execution Date: <u>April 21, 2000; April 21, 2000;</u> April 21, 2000	Additional name(s) of	receiving party(ies) attached? 1 Yes 🔊 No		
4. 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:				
A. Patent Application No.(s): 09/508,575	B. Patent I	No.(s):		
Additional number(s) at	tached? □ Yes ፡ N	· 5 14 00		
5. Name and address of party to whom correspondence	6 Total number of	of applications and patents involved: 1		
concerning this document should be mailed:	o. Total manuel o	a applications and patents involved.		
Name: <u>David E. Spaw</u>				
	7. Total Fee (37 C	C.F.R. §3.41)\$ 40.00		
Street Address: 526 Superior Avenue, East	☑ Enclosed			
Suite 1200	Enclosed .			
	☐ Authorize	ed to be charged to Deposit Account		
	8. Deposit Accour	nt No.		
City: Cleveland State: OH Zip: 44114-1484		Order No. 32461		
/05/2000 DMGJYEN -00000189 09508575		copy of this page if paying by deposit account)		
F0:531 A0.40 B DO NOT USE THIS SPACE				
9. Statement and Signature. To the hest of my knowledge and helief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
David E. Spaw May 15, 2000				
Name of Person Signing Signature Date				
Total number of pages including cover sheet, attachments, and document: 3				

PATENT REEL: 010823 FRAME: 0610

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signatures of the undersigned, which application is further identified as Pearne, Gordon, McCoy & Granger Docket No. 32461.

MATSUSHITA ELECTRIC

WHEREAS, INDUSTRIAL CO., LTD., a corporation of Japan, having a place of business at 1006, Kadoma, Kadoma-shi, Osaka 571, Japan, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in. to, and under said improvements and inventions and patent rights therefor.

U.S. Paten: Application No. 09/508,575 filed on March 13, 2000

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assigned as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Pearne, Gordon, McCoy & Granger 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.

PGM&G PT605

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PATENT REEL: 010823 FRAME: 0611

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

	Date I Signed Declaration	Today's Date		
Witness	April 21, 2000	April 21, 2000	Name: Akihisa NAKANO	
Witness		Fujiwaradai Kita ı, Kobe-shi, Hyo	machi 4-chome, go 651-1301, JAPAN	
	Date I Signed Declaration	Today's Date		
Witness	April 21, 2000	April 21, 2000	Rougi rogla Name: Kouji NODA	
Witness	Address: 5-2-801 Hyogo 6	l, Sumiregaoka 3 565-0847, JAPAN	-chome, Takarazuka-shi	
	Date 1 Signed Declaration	Today's Date		
Witness	April 21, 2000	_April 21, 2000	Joshikatic Marche Name: Tosikatu MAEDA	
Witness	Address: 1-2-301 Hyogo 6	Address: 1-2-301, Matunouti 2-chome, Akashi-shi, Hyogo 673-0016, JAPAN		
	Date I Signed Declaration	Today's Date		
Witness			Name:	
Witress	Address:			
F GM &⊕ PT605			Page 2 of 2	

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RECORDED: 05/17/2000