FORM PTO-1595 RI 07-12	- 2000 EET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
(6.26.00) 101400977 ——————————————————————————————————				
To the Honorable Commissioner of Patents and 1 ragemarks:	riesse ivoir in mached original documents or copy thereof.			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Masaki Terashima, Yoshiteru Hirano, Makoto Takemoto, and Akihiro Inui	Name: Matsushita Electric Industrial Co., Ltd. Internal Address:			
Additional name(s) of conveying party(ies) attached? □ Yes 🖾 No	33 w			
3. Nature of Conveyance:				
☐ Assignment ☐ Merger	Street Address: 1006, Kadoma, Kadoma-sh			
☐ Security Agreement ☐ Change of Name	City: Osaka State: JAPAN Zip: _			
□ Other				
Execution Date: <u>June 14, 2000; June 14, 2000;</u> <u>June 14, 2000; June 14, 2000</u>	Additional name(s) of receiving party(ies) attached? □ Yes ❷ No			
4. Application number(s) or patent number(s): 0903043 If this document is being filed together with a new application, the execution date of the application is: June 14, 2000; June 14, 2000				
A. Patent Application No.(s):	B. Patent No.(s):			
FC:581 40.00 OP Additional number(s) at	 tached? □ Yes ፡ ☑ No			
5. Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1			
Name: <u>Jeffrey J. Sopko</u>				
526 5 1 1 526 5	7. Total Fee (37 C.F.R. §3.41)\$40.00			
Street Address: <u>526 Superior Avenue East</u> Suite 1200	☑ Enclosed			
	☐ Authorized to be charged to Deposit Account			
	8. Deposit Account No.			
City: Cleveland State: OH Zip: 44114-1484	16-0820, Order No. 32758 (Attach duplicate copy of this page if paying by deposit account)			
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Copy is a true copy of the original document. Jeffrey J. Sopko Name of Person Signing Sign	June 26, 2000 Date The sheet, attachments, and document: 3			
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PATENT REEL: 010899 FRAME: 0848

ASSIGNMENT

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

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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. ____32758___.

MATSUSHITA ELECTRIC

WHEREAS, INDUSTRIAL CO., LTD., a corporation of Japan, having a place of business at 1006, Kadoma, Kadoma-shi, Osaka, 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.

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 assignee 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.

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PATENT REEL: 010899 FRAME: 0849 IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date I Signed Today's Declaration Date June 14, 2000 June 14, 2000 Witness TERASHIMA Address: 1-6-18-323, Kamata, Ota-ku, Tokyo 144-0052 Japan Witness Date I Signed Today's Declaration Date 2000 June 14, 2000 Witness 2-25-13, Mukogaoka, Bunkyo-ku, Address: Tokyo 113-0023 Japan Witness Date I Signed Today's Declaration Date June 14, 2000 2000 June 14, Witness TAKEMOTO Address: 7-6-36, Kikuna, Kohoku-ku, Yokohama-shi, Kanagawa 222-0011 Japan Witness Date 1 Signed Today's Declaration Date June 14, 2000 June 14, 2000 Witness INUI Address: 5-23-29, Shimosueyoshi, Tsurumi-ku, Yokohama-shi, Kanagawa 230-0012 Japan Witness

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RECORDED: 06/26/2000

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