·····	Mn 281	· 43					
FORM PTO-1595			er sheet Mats Rac'd P		890396 ARTMENT OF COMMER Patent and Trademark Offi 30JUL 2001		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.							
1. Name of conveying party	(ies): 7-30 で)	2. Name ar	nd address of rea	ceiving par	rty(ies):		
Yutaka Saito Hiroshi Haruki		Name: <u>Matsushita Electric Industrial Co., Ltd.</u> Street Address: 1006, Kadoma, Kadoma-shi					
Additional name(s) of conveying party(ies)	City: Osaka 571-0050 State: JAPAN						
<ol> <li>Nature of Conveyance:</li> <li>Assignment</li> </ol>	□ Merger	Zip:			State. JAI AN		
<ul> <li>Security Agreement</li> <li>Other</li> </ul>	Additional name(s) of receiving party(ies) attached?						
Execution Date: July 25, 2	Execution Date: July 25, 2001						
4. Application number(s) or pater	nt number(s):						
If this document is being filed together with a new application, the execution date of the application is: July 25, 2001							
A. Patent Application No.(	s): ]	B. Paten	t No.(s):				
/03/2001 SNAJARRO 00000013 0989039							
FC:581	40.00 OP Additional number(s) a	ttached?	🛛 No				
5. Name and address of party to v concerning this document show	whom correspondence ald be mailed:	6. Total num	ber of applications	and patents	involved: <u>1</u>		
Name: <u>Jeffrey J. Sopko</u>							
Street Address: <u>526 Superior Avenue East</u> Suite 1200		7. Total Fee	(37 C.F.R. §3.41)	\$ <u>40.00</u>	<u>D</u>		
City: <u>Cleveland</u> State: <u>OH</u> Zip: <u>44114-1484</u>		Authorized to be charged to Deposit Account for any uncovered fees					
		8. Deposit Account No.					
		<u>16-0820, Order No. 33836</u> (Attach duplicate copy of this page if paying by deposit account)					
DO NOT USE THIS SPACE							
<ul> <li>9. Statement and Signature To the best of my knowle is a true copy of the orig</li> <li><u>Jeffrey J. Sopko</u> Name of Person Signing</li> </ul>	edge and bellef, the forego ginal document.	ignature	he		d any attached copy July 30, 2001 Date		

PATENT REEL: 012094 FRAME: 0196

## ASSIGNMENT

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

## ANTENNA DEVICE AND RADIO APPARATUS HAVING THE SAME BUILT THEREIN

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 date(s) indicated below, which application is further identified as Pearne & Gordon LLP Docket No. 33836

WHEREAS, _	MATSUSHITA	ELECTRI	C INDUST	RIAL C	o.,	LTE	)_		
a corporation of								business	at
1006, Kadoma,	Kadoma-shi,	, Osaka_							

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 LLP 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.

Page 1 of 2

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

(1)	Inventor Name (solo or joint):Yutaka SAITO	
	Signature: <u>July 25, 2001</u> Today's Date: July 25, 2001 Date I Signed Declaration: July 25, 2001	
	Witness: Witness:	
(2)	Inventor Name (joint):	
	Signature: <u>July 25, 2001</u> Today's Date: <u>July 25, 2001</u> Date I Signed Declaration: <u>July 25, 2001</u> Witness: Witness:	
(3)	Inventor Name (joint):	
		P/

**RECORDED: 07/30/2001** 

## PATENT REEL: 012094 FRAME: 0198

Page 2 of 2