Form PTC	D-1595 (Rev	ı. 06/0	)4)
OMB No.	0651-0027	(exp.	6/30/2005
Attorney	Docket No.	. 0104	82.57127
ł			



DEPARTMENT OF COMMERCE

ates Patent and Trademark Office

5) 7**US** 

12-06-2005	

RECO			_
to1	03130697		
To the Director of the U.S. Patent and Trademark Office: Please	_ •	new address(es) below.	
Name of conveying party(ies)/Execution Date(s):	2. Name and address of recei	ving party(ies) 으	Œ
(1) Masato FUJIMOTO	Name: Funai Electric	Co., Ltd. တွ	8369
Execution Date: (1) November 18, 2005	Street Address: 7-1, Nakagaito Daito-shi, Osa JAPAN	7-chome aka 574-0013 878	11/288369
Additional name(s) of conveying party(ies) attached?  Yes  No		<del>-</del>	
3. Nature of conveyance:  Assignment	Additional name(s) & address(es) att	ached? ☐ Yes ⊠ No	
4. Application number(s) or patent number(s): 🛛 This	ocument is being filed together with	h a new application.	
A. Patent Application No.(s)	B. Patent Registration No.(s)		
5. Name and address of party to whom correspondence concerning document should be mailed:	ched? Yes No  6. Total number of applications involved	and patents	
Name: Crowell & Moring LLP	7. Total fee (37 CFR 1.21(h) & 3		
Street Address: Intellectual Property Group	Authorized to be charged to c		
PO Box 14300 Washington, D.C. 20044-4300	None required (government inte	erest not affecting title)	
•	8. Payment Information		
Phone Number: 202-624-2500 Fax Number: 202-628-8844	a. Credit Card Last 4 Nun	nbers	
	Expiration	Date	
		<del></del>	
	b. Deposit Account Number 05-1	1323	
9. Signature:		1 <u>323</u> 911	
9. Signature: Signature	b. Deposit Account Number 05-1	1323	
Signature	b. Deposit Account Number <u>05-1</u> Authorized User Name <u>23</u>	1323 911 November 29, 2005	
- NACO	b. Deposit Account Number <u>05-1</u> Authorized User Name <u>23</u>	911  November 29, 2005  Date  including cover	

12/05/2005 ECOOPER 00000230 11288369 01 FC#8021 40.00 OP

**REEL: 017291 FRAME: 0578** 

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

Funai Electric Co., Ltd. 7-1, Nakagaito 7-chome Daito-shi, Osaka 574-0013 JAPAN

(date)

3111111V	
(hereinafter ASSIG territories and pos	NEE) all right, title and interest for the United States, its sessions in and to his invention relating to:
BROADCAST SI	GNAL RECEIVER
as set forth in his  execute  X execute  Serial	United States Patent Application (check one): ed concurrently herewith, ed on 16-18-65 No, filed,
continuations there which may issue on reissues or extensi legal representative and all such Letter.	ted States Patent Application including any and all divisions or eof and in and to any and all Letters Patent of the United States any such application or for said invention, including any and all ons thereof, to be held and enjoyed by said ASSIGNEE, its successors, wes and assigns to the full end of the term or terms for which any s patent may be granted as fully and entirely as would have been held undersigned had this Assignment not been made;
	gned hereby authorizes and requests the Commissioner of Patents and any and all such Letters patent to said ASSIGNEE, its successors dance herewith;
right to sell and	igned warrants and covenants that he has the full and unencumbered assign the interests herein sold and assigned and that he has not not execute any document or instrument in conflict herewith;
ASSIGNEE, its succe relating to said in any papers, make all other lawful acts direpresentatives or including divisions may be granted ther its successors, o	signed further covenants and agrees he will communicate to said ssors, legal representatives or assigns all information known to him evention or patent application and that he will execute and deliver a rightful oaths, testify in any legal proceedings and perform all emed necessary or desirable by said ASSIGNEE, its successors, legal assigns to perfect title to said invention, to said application and continuations thereof and to any and all Letters Patent which efor or thereon, including reissues or extensions, in said ASSIGNEE, assigns or to assist said ASSIGNEE, its successors, legal assigns in obtaining, reissuing or enforcing Letters Patent of the said invention;
partner thereof, the may be necessary or	igned hereby grants the firm of <b>CROWELL &amp; MORING, L.L.P.</b> , or any e power to insert in this Assignment any further identification which desirable to comply with the rules of the U.S. Patent and Trademarktion of this Assignment.
Citizenship: Ja	asato FUJIMOTO panese Funai Electric Co., Ltd., 7-1, Nakagaito 7-chome, Daito-shi, Osaka 574-0013 PAN  Masaro Full Moto (signature of 1st inventor)
INVENTOR: Citizenship: Post Office Address Residence:	

(signature of 2nd inventor)

PATENT REEL: 017291 FRAME: 0579

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

Funai Electric Co., Ltd. 7-1, Nakagaito 7-chome Daito-shi, Osaka 574-0013 JAPAN

(date)

**RECORDED: 11/29/2005** 

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:
BROADCAST SIGNAL RECEIVER
as set forth in his United States Patent Application (check one):
in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;
Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;
Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;
Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;
Each of the undersigned hereby grants the firm of CROWELL & MORING, L.L.P., or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.
INVENTOR: Masato FUJIMOTO
Citizenship: Japanese
Post Office Address c/o Funai Electric Co., Ltd., 7-1, Nakagaito 7-chome, Daito-shi, Osaka 574-0013
Residence: JAPAN
2005/11/18 Masato FUJINOTU
(date) (signature of 1st inventor)
INVENTOR: Citizenship: Post Office Address Residence:

(signature of 2nd inventor)

PATENT REEL: 017291 FRAME: 0580