Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (exp. 8/30/2008)	United States Patent and Trademark Office
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To the Director of the U.S. Paten. 1034555	92 ad documents or the new address(es) below.
Name of conveying party(ies): Hiroaki lwaasa	Name and address of receiving party(les) Name: Funai Electric Co., Ltd. Internal Address:
Additional name(s) of conveying party(les) attached?	Street Address:
3. Nature of conveyance/Execution Date(s): Execution Date(s): October 5, 2007 X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other	7-1, Nakagaito 7-chome Daito-shi, Osaka 574-0013 JAPAN City: State: Country: Additional name(s) & address(es) attached?
4. Application or patent number(s): A. Patent Application No.(s) This application Additional numbers attached	This document is being filed together with a new application. B. Patent No.(s) Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Robert J. Gaybrick MORGAN LEWIS & BOCKIUS LLP Internal Address: Atty. Dkt.: 040894-7648US Street Address: 1111 Pennsylvania Ave NW	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Washington State: DC Zip: 20004 Phone Number: (202) 739-3000 Fax Number: (202) 739-3001 Email Address: patents@morganlewis.com	8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 50-0310 Authorized User Name Robert J. Goodell
9. Signature: Robert J. Goodell - 41,040 Name of Person Signing	October 11, 2007 Date Total number of pages including cover sheet, attachments, and documents: 2

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ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which I/WE executed an application for Un application for United States Letters Patent on	ited States Letters Patent concurre	ently herewith; or filed an
WHEREAS, <u>FUNAIELECTRIC</u> office address is <u>7-1. Nakagaito 7-chome</u> Assignee), is desirous of securing the entire application for United States Letters Patent this application;	CO., LTD., a corporation of _J. Daito-shi, Osaka, Japan , (here right, title, and interest in and	Tapan , whose post reinafter referred to as to this invention, the
NOW THEREFORE, be it known that, from assignee is hereby acknowledged, I/WE, a and do hereby sell, assign, transfer, and set ove MY/OUR entire right, title, and interest in and continuations thereof, and all Letters Patent of reissues thereof; and I/WE hereby authorize and the United States to issue all Letters Patent for accordance with the terms of this Assignment;	as assignor(s), have sold, assigned r unto the assignee, its lawful succe to this invention and this application the United States which may be greated a request the Commissioner of Pat	, transferred, and set over, cessors and assigns, on, and all divisions, and ranted thereon, and all tents and Trademarks of
AND, I/WE HEREBY further covenant communicate with assignee, its successors and invention and testify in any legal proceeding, si and deliver all papers that may be necessary or assignee, its successors and assigns, execute all all rightful oaths and generally do everything peand enforce proper patent protection for this invexpense incident to the execution of such paper AND, I/WE HEREBY authorize and re-	assigns, any facts known to ME/U ign all lawful papers when called u desirable to perfect the title to this divisional, continuation, and reiss ossible to aid assignee, its successivention in the United States, it being shall be borne by the assignee, it causest the attorneys I/WE have em	IS respecting this upon to do so, execute invention in said sue applications, make ors and assigns, to obtain upowered in the Declaration
and Power of Attorney in this application, to in: Ogt. 11,2007 the filing date and application	cert here in namminesis (ADDIICAU)	DH 140.
IN TESTIMONY WHEREOF, I'WE h	ave hereunto set our hand(s).	
Full Name of Sole or First Assignor	Assignor's Signature	Date Ocober 5, 2007
	Himaki Iwassa	Citizenship
Address c/o FUNAI ELECTRIC CO., LTD	., 7-1, Nakagaito /-chome,	Japan
Daito-shi, Osaka, Japan		Date
Full Name of Second Assignor	Assignor's Signature	
		Citizenship
Address		
Names of additional inventors attached Yes	X No	
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RECORDED: 10/11/2007

PATENT REEL: 020015 FRAME: 0510