DEPARTMENT OF COMMERCE Patent and Trademark Office

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475 09 Attorney Docket No.: 040894-7024		
To the Commissioner for Patents ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES		
Please record the attached original documents or copy the		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	2
Takayuki MURAKAMI	Name: FUNAI ELECTRIC CO., LTD.	7510 U.S. PT 10/824608
,		- 83
Additional names of conveying party(ies) attached?	Street Address: 7-1, Nakagaito 7-chome, Daito-shi, Osaka, Japan	17510
3. Nature of conveyance:		
	Additional name(s) & address(es) attached?	
Security Agreement Change of Name Other Execution Date: April 12, 2004	☐ Yes	
4. New Application number(s) or patent number(s): NEW APPLICATION		
If this document is being filed together with a new application the execution date of the application is: April 12, 2004 B. Patent No.(s) Additional numbers attached: Yes No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: Robert J. Gaybrick	7. Total fee (37 C.F.R. §3.41): _\$40.00 ☐ Enclosed ☐ Authorized to be charged to Deposit Account 50-0	310
Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629	8. Deposit Account No. 50-0310 (Attach duplicate page if paying by deposit account))
Street Address: 1111 Pennsylvania Ave., N.W. City: Washington State: D.C. Zip: 20004		
9. Statement and Signature		
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true		
copy of the original document.		
Robert J. Goodell Reg. No. 41,040 Name of Person Signing Signature	April 15, 2004 Date	
Total nu	umber of pages including cover sheet, attachments and docum	ients: 2
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04/20/2004

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Revised 10/1/03

PATENT REEL: 015224 FRAME: 0252

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinaster reserred to as Assignor(s)], have made an invention entitled: for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _______, (Application No. ______); and WHEREAS, FUNAI ELECTRIC CO., LTD., a corporation of Japan, whose post office address is _ 7-1, Nakagaito 7-chome, Daito-shi, Osaka, Japan ___ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application; NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment; AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be bome by the assignee, its successors and assigns. AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. ___, filed _ _) the filing date and application number of said application when known. April 15, 2004 IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s). Full Name of Sole or First Assignor Takayuki MURAKAMI Assignor's Signature Date Murakami April 12, 2004 Takaruki c/o Funai Electric Co., Ltd., Address · Citizenship 7-1, Nakagaito 7-chome, Daito-shi, Osaka, Japan Japan Full Name of Second Assignor Assignor's Signature Date Address Citizenship

Morgan, Lewis & Bockius LLP

[x] No

WA01/24264.1

RECORDED: 04/15/2004

Names of additional inventors attached [] Yes

PATENT REEL: 015224 FRAME: 0253