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102774425 PATENTS UNLX DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Commissioner for Patents	Attorney Docket No.: 0408 ATTN: MAIL STOP ASSIGNMENT RECORDATION SE	_
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1 Name of a superior mark (i.e.).	2. Name and address of receiving party(ies):	
1. Name of conveying party(les): 6.16:04	N - F - F - C - Lul	
1) Teruaki SOGAWA	Name: Funai Electric Co., Ltd. Internal Address:	
2) Takayuki MURAKAMI	internal Address.	
Additional names of conveying party(ies) attached?		
☐ Yes   ☐ No	Street Address: 7-1, Nakagaito 7-chome,	
	Daito-shi, Osaka, Japan	
3. Nature of conveyance:	City:	
·	State: Zip:	
Assignment Merger		
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Execution Date: June 8, 2004	raditional name(s) & address(cs) attached:	
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4. New Application number(s) or patent number(s):  If this document is being filed together with a new application and the second secon	NEW APPLICATION  colication the execution date of the application is:  June 8, 2004	
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If this document is being filed together with a new apparatus A. Patent Application No.(s) 10868039	NEW APPLICATION  colication the execution date of the application is:  June 8, 2004  B. Patent No.(s)	1
If this document is being filed together with a new apparent A. Patent Application No.(s) 10868039  Additional numbers attached: □Yes ⊠No  5. Name and address of party to whom corresponde	NEW APPLICATION  colication the execution date of the application is:  June 8, 2004  B. Patent No.(s)  nce 6. Total number of applications and patents involved:  7. Total fee (37 C.F.R. §3.41): _\$40.00	1
If this document is being filed together with a new application No.(s) 10868039  Additional numbers attached: □Yes □No  5. Name and address of party to whom corresponde concerning document should be mailed:  Name: Robert J. Gaybrick	NEW APPLICATION  colication the execution date of the application is:  June 8, 2004  B. Patent No.(s)  Total number of applications and patents involved:  7. Total fee (37 C.F.R. §3.41): _\$40.00  Enclosed	
If this document is being filed together with a new application No.(s) 10868039  Additional numbers attached: □Yes ☑No  5. Name and address of party to whom corresponde concerning document should be mailed:  Name: Robert J. Gaybrick  Internal Address: Morgan, Lewis & Bockius LLP	NEW APPLICATION  colication the execution date of the application is:  June 8, 2004  B. Patent No.(s)  nce 6. Total number of applications and patents involved:  7. Total fee (37 C.F.R. §3.41): _\$40.00	
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A. Patent Application No.(s) 10868039  Additional numbers attached: □Yes ☑No  5. Name and address of party to whom corresponde concerning document should be mailed:  Name: Robert J. Gaybrick  Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629	NEW APPLICATION  colication the execution date of the application is:    June 8, 2004   B. Patent No.(s)	0-03
If this document is being filed together with a new application No.(s) 10868039  Additional numbers attached: □Yes ☑No  5. Name and address of party to whom corresponde concerning document should be mailed:  Name: Robert J. Gaybrick  Internal Address: Morgan, Lewis & Bockius LLP	NEW APPLICATION  plication the execution date of the application is:  June 8, 2004 B. Patent No.(s)  Total number of applications and patents involved:  7. Total fee (37 C.F.R. §3.41): _\$40.00	0-03
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A. Patent Application No.(s) 10868039  Additional numbers attached: Yes No  5. Name and address of party to whom corresponde concerning document should be mailed:  Name: Robert J. Gaybrick  Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629  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	NEW APPLICATION  plication the execution date of the application is:  June 8, 2004 B. Patent No.(s)  Total number of applications and patents involved:  7. Total fee (37 C.F.R. §3.41): _\$40.00	0-0: int)
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PATENT REEL: 015481 FRAME: 0518

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

## **ASSIGNMENT**

WHEREAS I/We, the below named inven OPTICAL PICKUP	etor(s), [hereinafter referred to as Assignor(s)],	have made an invention entitled:
for which I/WE executed an application for United States Letters Patent on, (Application,	States Letters Patent concurrently herewith; o ation No	r filed an application for United
WHEREAS, FUNAI ELECTRIC CO.,	LTD, a corporation of	_, whose post office address is
7-1, Nakagaito 7-chome, Daito-shi, Osaka, Japan (herein nterest in and to this invention, the application for l upon this application;	inafter referred to as Assignee), is desirous of se United States Letters Patent on this invention a	ccuring the entire right, title, and and the Letters Patent to be issued
acknowledged, I/WE, as assignor(s), have sold, assigned to the assignee, its lawful successors and assigns, application, and all divisions, and continuations the all reissues thereof; and I/WE hereby authorize and all Letters Patent for this invention to assignee, its state.	MY/OUR entire right, title, and interest in and reof, and all Letters Patent of the United States request the Commissioner of Patents and Traduccessors and assigns, in accordance with the toda agree that I/WE will, without further considered JS respecting this invention and testify in any letter all papers that may be necessary or desirable all divisional, continuation, and reissue applications and assigns, to obtain and enforce the successors and assigns, to obtain and enforce the successors and assigns, to obtain and enforce the successors and assigns.	sell, assign, transfer, and set over d to this invention and this which may be granted thereon, and temarks of the United States to issue terms of this Assignment; eration, communicate with assignee, legal proceeding, sign all lawful e to perfect the title to this invention ations, make all rightful oaths and proper patent protection for this
AND, I/WE HEREBY authorize and request this application, to insert here in parentheses (Approphication number of said application when known.	st the attorneys I/WE have empowered in the I plication No, filed June I	Declaration and Power of Attorney  6. 200 • the filing date and
IN TESTIMONY WHEREOF, I/WE have h	nereunto set our hand(s).	
Full Name of Sole or First Assignor Teruaki SOGAWA	TERUAKI SOGAWA	Date June 8, 2004
Address c/o Funai Electric Co., Ltd Daito-shi, Osaka, Japan	., 7-1, Nakagaito 7-chome,	Citizenship Japan
Full Name of Second Assignor Takayuki MURAKAMI	TAKAYUKI MURAKAMI	Date June 8, 2004
Address c/o Funai Electric Co., Ltd Daito-shi, Osaka, Japan	d., 7-1, Nakagaito 7-chome,	Citizenship Japan
Names of additional inventors attached [ ] Yes	[x ] No	

Morgan, Lewis & Bockius LLP

RECORDED: 06/16/2004

PATENT

**REEL: 015481 FRAME: 0519**