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09-11-2006

FORM PTO-1595  
(Rev. 6-93)



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

COVER SHEET  
BY

Attorney Docket No.: 060326-5072

To the Commissioner for Patents **ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES**  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
  
Ryotaro NAKAGAWA  
Masanori TAKAHASHI  
Hideaki FUNAKOSHI  
Teruaki SOGAWA  
  
Additional names of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies):  
  
Name: Funai Electric Co., Ltd.  
  
Internal Address:  
  
Street Address: 7-7-1, Nakagaito, Daito-shi,  
Osaka 574-0013 Japan  
  
City:  
State: Zip:

113261 U.S. PTO  
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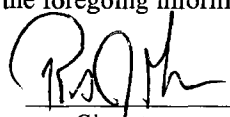
3. Nature of conveyance:  
  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: August 24, 2006, August 28, 2006,  
August 28, 2006, and August 28, 2006

Additional name(s) & address(es) attached?  
 Yes  No

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:  
  
August 24, 2006, August 28, 2006, August 28, 2006, and August 28,  
2006  
A. Patent Application No.(s) B. Patent No.(s)  
  
Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence 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

6. Total number of applications and patents involved: 1  
  
7. Total fee (37 C.F.R. §3.41): \$40.00  
 Enclosed  
 Authorized to be charged to Deposit Account No. 50-0310  
  
8. Deposit Account No. 50-0310  
(Attach duplicate page if paying by deposit account)

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  September 5, 2006  
Name of Person Signing Signature Date  
  
Total number of pages including cover sheet, attachments and documents: 3

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**ASSIGNMENT**

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

**METHOD FOR DESIGNING AN OPTICAL PICKUP**

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 7-7-1, Nakagaito, Daito-shi, Osaka 574-0013 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 issue 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 borne 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 parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

*September 5, 2006*

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of First Assignor <b>Ryotaro NAKAGAWA</b>	Assignor's Signature <i>Ryotaro NAKAGAWA</i>	Date <i>Aug. 24, 2006</i>
Address C/O FUNAI ELECTRIC CO., LTD., 7-7-1, Nakagaito, Daito-shi, Osaka 574-0013 Japan		Citizenship Japanese
Full Name of Second Assignor <b>Masanori TAKAHASHI</b>	Assignor's Signature <i>Masanori TAKAHASHI</i>	Date <i>Aug. 28, 2006</i>
Address C/O FUNAI ELECTRIC CO., LTD., 7-7-1, Nakagaito, Daito-shi, Osaka 574-0013 Japan		Citizenship Japanese

Full Name of Third Assignor <b>Hideaki FUNAKOSHI</b>	Assignor's Signature <i>Hideaki Funakoshi</i>	Date <i>Aug 28, 2006</i>
Address C/O FUNAI ELECTRIC CO., LTD., 7-7-1, Nakagaito, Daito-shi, Osaka 574-0013 Japan		Citizenship Japanese
Full Name of Fourth Assignor <b>Teruaki SOGAWA</b>	Assignor's Signature <i>Teruaki SOGAWA</i>	Date <i>Aug. 28. 2006</i>
Address C/O FUNAI ELECTRIC CO., LTD., 7-7-1, Nakagaito, Daito-shi, Osaka 574-0013 Japan		Citizenship Japanese

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RECORDED: 09/05/2006

PATENT  
REEL: 018282 FRAME: 0219