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U.S. PTO

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COVER SHEET
PATENTS ONLY

To the Commissioner for Patents. Please record the attached original documents or copies thereof.

1. Name of Conveying Party(ies):

Tetsuo NISHIDATE;
Masaaki SUETSUGU;
Toyoshi NOGAMI☐ Additional names of conveying parties attached.

2. Name and Address of Receiving Party(ies):

Name: FUNAI Electric Co., Ltd.

Internal Address:

Street Address: 7-7-1 Nakagaito,

City, State, Zip: Daito, Osaka 574-0013,
JAPAN☐ Additional name(s) and address(es) attached.

3. Nature of Conveyance:

- ☒
- Assignment
- ☐
- Merger
-
- ☐
- Security Agreement
- ☐
- Change of Name
-
- ☐
- Other:

Execution Date: October 29, 2007

4. (A) Patent Application Number(s):

4. (B) Patent Number(s):

If this document is being filed together with a new
application, the execution date of the application is: October 29, 2007☐ Additional Numbers Attached5. Name and Address of Party to whom Correspondence Concerning this
Document Should be Mailed:

Name: George A. Loud

Address: 23364
Customer Number
Phone: (703) 683-0500Total Number of Applications and
Patents Involved:

1

7. Total Fee:
(37 CFR 3.41)

\$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit Account Number: 02-0200

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9. Statement and Signature:

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy
is a true copy of the original document.*

George A. Loud

Name of Person Signing

Signature

November 13, 2007

Date

Total number of pages including cover sheet, attachments and document: 4

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PATENT
REEL: 020149 FRAME: 0459

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DOCK
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No:

ASSIGNMENT BY INVENTOR(S) OF U.S. APPLICATION

WHEREAS, I am the original, first and sole inventor and I own (if only one name is listed below) or an original, first and joint inventor and the joint inventors own (if plural names are listed below) (referred to as "ASSIGNOR" below) the subject matter which is claimed and for which a patent is sought on the invention (referred to as the "INVENTION" below) entitled:

Title: Optical Pickup Apparatus

the
specif
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which
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one):

☒ is executed on even date herewith.

☐ was filed on (day-month-year) as U.S.
Application
Number

☐ was filed on (day-month-year) as
PCT
Application
Number

☐ was executed on the following date(s)
(day-month-year)

WHEREAS, FUNAI Electric Co., Ltd.

having a postal address of 7-7-1 Nakagaito, Daito, Osaka JAPAN

(referred to as "ASSIGNEE" below) desires to acquire the entire right, title and interest in and to the same in the U.S.;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Full Name of First or Sole Inventor Tetsuo NISHIDATE	Post Office Address c/o FUNAI Electric Co., Ltd. 7-7-1 Nakagaito, Daito, Osaka, JAPAN
Citizenship JAPAN	Residence (city, and either state or foreign country, MPEP §605.02) Daito, Osaka, JAPAN
Date Oct 29, 2007	Signature Tetsuo NISHIDATE

☒ See following page(s) for additional joint inventors.

(06Nov2001)

ATTORNEY/DOCKET NO:

**SUPPLEMENTAL PAGE FOR AN
ASSIGNMENT BY INVENTOR(S) OF U.S. APPLICATION**

Full Name of Joint Inventor Masaaki SUETSUGU	Post Office Address c/o FUNAI Electric Co., Ltd. 7-7-1 Nakagaito, Daito, Osaka, JAPAN
Citizenship JAPAN	Residence (city, and either state or foreign country, MPEP §605.02) Daito, Osaka, JAPAN
Date Oct 29, 2007	Signature Masaaki SUETSUGU
Witness Name	Witness Signature (not required for recordal)

Full Name of Joint Inventor Toyoshi NOGAMI	Post Office Address c/o FUNAI Electric Co., Ltd. 7-7-1 Nakagaito, Daito, Osaka, JAPAN
Citizenship JAPAN	Residence (city, and either state or foreign country, MPEP §605.02) Daito, Osaka, JAPAN
Date Oct. 29, 2007	Signature Toyoshi NOGAMI
Witness Name	Witness Signature (not required for recordal)

Full Name of Joint Inventor	Post Office Address
Citizenship	Residence (city, and either state or foreign country, MPEP §605.02)
Date	Signature
Witness Name	Witness Signature (not required for recordal)

☐ See following page(s) for additional joint inventors.

(06Nov2001)