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102362282
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SHEET

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Naotoshi IWAZAWA
Yutaka YAMANAKA
Ryuichi KATAYAMA
Masahumi MIURA
Motoaki SHIMIZU
1-31-03

2. Name and address of receiving party(ies):
NEC CORPORATION
7-1, Shiba 5-chome
Minato-ku, Tokyo, Japan

11131 U.S. PTO
10/355275
01/31/03

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 23, 2003

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 23, 2003

A. Patent Application No.(s)

B. Patent No.(s)
10355275

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC

WASHINGTON OFFICE



23373

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

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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.

[Signature]
Howard L. Bernstein for
J. Frank Osha

Reg. No. 25,665

Reg. No. 24,625

January 31, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

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Box Assignment

Washington, D.C. 20231

02/07/2003 6TOM11 00000162 10355275

01 FC:8021

40.00 DP

PATENT
REEL: 013728 FRAME: 0574

Assignment

Whereas, I/We, **NAOTOSHI IWAZAWA, YUTAKA YAMANAKA,** of
RYUICHI KATAYAMA, MASAHUMI MIURA and MOTOAKI SHIMIZU
Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in
RADIAL TILT COMPENSATING OPTICAL DISK APPARATUS
USING TRACKING CONTROL LOOP GAIN
and executed an application for Letters Patent of the United States of America therefor on
January 23, 2003; and

Whereas, **NEC Corporation, 7-1, Shiba 5-chome,** (assignee),
Minato-ku, Tokyo, Japan
desires to acquire the entire right, title, and interest in the application and invention, and to any
United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority
under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent
granted upon the invention set forth in the application to the assignee, its successors and assigns;
and I/we will execute without further consideration all papers deemed necessary by the assignee
in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys **SUGHRUE, MION, ZINN, MACPEAK**
& SEAS of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3212 to insert here in
parentheses (Application number _____, filed _____) the filing date
and application number of said application when known.

Date: Jan. 23, 2003 Naotoshi Iwazawa 
s/ **NAOTOSHI IWAZAWA**

Date: Jan. 23, 2003 Yutaka Yamanaaka
s/ **YUTAKA YAMANAKA**

Date: Jan. 23, 2003 Ryuichi Katayama 
s/ **RYUICHI KATAYAMA**

Date: Jan. 23, 2003 Masahumi Miura 
s/ **MASAHUMI MIURA**

Date: Jan. 23, 2003 Motoaki Shimizu
s/ **MOTOAKI SHIMIZU**

Date: _____
s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

8/92

Witness:

Masato Kimura
Osamu Mura

PATENT