

06-27-2003

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Form PTO-1595 (modified)

(Rev. 03/01)

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1. Name of conveying party(ies):

Toru SUZUKI
Hironobu KOBAYASHI

6.19.03

2. Name and address of receiving party(ies):

PIONEER CORPORATION
4-1,
Meguro 1-chome,
Meguro-ku, Tokyo,
Japan

17613 U.S. PTO
10/464446
06/19/03

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

3. Nature of conveyance:

- Assignment Merger
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Execution Date: May 30, 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: May 30, 2003

A. Patent Application No.(s)
Unknown

10464446

B. Patent No.(s)
Unknown

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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PATENT
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ASSIGNMENT

Whereas, I/we Toru SUZUKI and Hironobu KOBAYASHI
both of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in
DISK MECHANISM
and executed an application for Letters Patent of the United States of America therefor on
May 30, 2003 ; and

Whereas, PIONEER CORPORATION of
4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(assignee), 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 Director – U.S. Patent and Trademark Office 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 my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: *May 30, 2003* s/ *Toru Suzuki*

Date: *May 30, 2003* s/ *Hironobu Kobayashi*

Date: s/ _____

Date: s/ _____

Date: s/ _____

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