



03-07-2005

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Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)



102954107

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

HIDEYUKI YAMAKAWA
KOICHI OTAKE
YUKIYASU TATSUZAWA

Execution Date(s) December 15, 2004, December 17, 2004

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

2. Name and address of receiving party(ies)

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State: Tokyo

Country: JAPAN Zip: 105-8001

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

3. Nature of conveyance:

- Assignment Merger
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4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/017,233

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: PILLSBURY WINTHROP LLP

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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**ATTACHMENT FOR RECORDATION FORM COVER SHEET
PATENTS ONLY (Form PTO-1595)**

1. Name of conveying party(ies):

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Additional name(s) of conveying party(ies) attached?

Yes No

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Name and address of receiving party(ies)

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Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

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: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

Yes No

ASSIGNMENT

(04S0711)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

DISK APPARATUS AND DISK REPRODUCING METHOD

sell and assign to
KABUSHIKI KAISHA TOSHIBA
a Japanese corporation, having a business address at
1-1, Shibaura 1-chome, Minato-Ku, Tokyo 105-8001, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on ;
 Application No. , filed ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Pillsbury Winthrop, LLP, 1600 Tysons Boulevard, McLean, Virginia 22102

ASSIGNMENT

(04S0711)

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