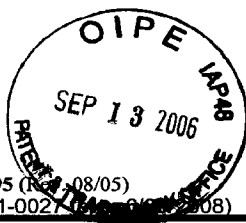


09/13/06



09-18-2006

 Form PTO-1595 (Rev. 08/05)  
 OMB No. 0651-0027

 U.S. DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office

R.

 103308362  
**PATENTS ONLY**

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)**

YOSHIYUKI KAMATA

KATSUYUKI NAITO

AKIRA KIKITSU

 Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No
**3. Nature of conveyance/Execution Date(s):**Execution Date(s) See 1 in Addendum☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other \_\_\_\_\_**2. Name and address of receiving party(ies)**Name: KABUSHIKI KAISHA TOSHIBA

Internal Address: \_\_\_\_\_

Street Address: 1-1, Shibaura 1-chome, Minato-kuCity: Tokyo

State: \_\_\_\_\_

Country: Japan Zip: 105-8001
 Additional name(s) & address(es) attached? ☒ Yes ☐ No
**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/476,038

B. Patent No.(s)

 Additional numbers attached? ☐ Yes ☐ No
**5. Name and address to whom correspondence concerning document should be mailed:**Name: PILLSBURY WINTHROP SHAW PITTMAN LLPInternal Address: P.O. Box 10500Street Address: 1650 Tysons BoulevardCity: McLeanState: VA Zip: 22102Phone Number: (703) 770-7900Fax Number: (703) 770-7901Email Address: john.darling@pillsburylaw.com**6. Total number of applications and patents involved:** 1**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**☐ Authorized to be charged by credit card☒ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)**8. Payment Information**

008312-0355932

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 033975

Authorized User Name \_\_\_\_\_

**9. Signature:**

John P. Darling, Reg. No. 44482

Name of Person Signing

September 13, 2006

Date

 Total number of pages including cover  
 sheet, attachments, and documents: 6

 Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

 09/15/2006 H. 0001  
 01 FC:8021

**ATTACHMENT FOR RECORDATION FORM COVER SHEET  
PATENTS ONLY (Form PTO-1595)**

**1. Name of conveying party(ies):**

MASATOSHI SAKURAI

MASAHIRO OKA

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

☐ Yes ☒ No

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

Name: SHOWA DENKO K.K.

Internal Address: \_\_\_\_\_

Street Address: 13-9, Shiba Daimon 1-chome, Minato-ku

City: Tokyo, Japan

State: \_\_\_\_\_

ZIP: \_\_\_\_\_

Name and address of receiving party(ies)

Name: \_\_\_\_\_

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

**Attachment to Form PTO - 1595  
Recordation Form Cover Sheet**

1. June 23, 2006; June 23, 2006; June 23, 2006; June 20, 2006; & June 19, 2006; respectively

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:

METHOD FOR MANUFACTURING SUBSTRATE FOR DISCRETE TRACK RECORDING MEDIA AND METHOD FOR MANUFACTURING DISCRETE TRACK RECORDING MEDIA

sell and assign to

1. KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan; and
2. SHOWA DENKO K. K., a Japanese corporation, having a business address at 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo, 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 Shaw Pittman LLP, 1650 Tysons Boulevard McLean, Virginia  
22102-4859

3VG040706-USA-A  
(05S1579-1)

**Citizenship:** Japan

*Yoshiyuki*  
Yoshiyuki Kamata


Date: June 23, 2006

**Citizenship:** Japan

Katsuyuki Naito

Date: June 23, 2006

**Citizenship:** Japan

  
Akira Kikitsu

Date: June 23, 2006

**Citizenship:** Japan

Masatoshi Sakurai  
Masatoshi Sakurai

Date: June 20. 2006

Citizenship: Japan

Masahiro Oka

Date:

ASSIGNMENT

3VG040706-USA-A  
(05S1579-1)

[1st Inventor]

Residence Address: Tokyo, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

---

Yoshiyuki Kamata

Date:

[2nd Inventor]

Residence Address: Tokyo, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

---

Katsuyuki Naito

Date:

[3rd Inventor]

Residence Address: Yokohama-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

---

Akira Kikitsu

Date:

[4th Inventor]

Residence Address: Tokyo, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

---

Masatoshi Sakurai

Date:

[5th Inventor]

Residence Address: Ichihara-shi, Japan

Mailing Address: c/o SHOWA DENKO HD K.K.13-9, Shiba Daimon 1-chome Minato-ku, Tokyo, Japan

Citizenship: Japan

---

Masahiro Oka

Date:

*Masahiro Oka*  
*June 19, 2006*