

09-14-2006

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



EET

103307179

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)**

KAZUHIKO TAIRA  
SHINICHI KIKUCHI  
TOMOAKI KURANO

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) April 5, 1996 (all assignors)

- ☒ 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-ku

City: 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)

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 LLP

Internal Address: P.O. Box 10500

Street Address: 1650 Tysons Boulevard

City: McLean

State: VA Zip: 22102

Phone Number: (703) 770-7900

Fax Number: (703) 770-7901

Email Address: erico.hernandez@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**

008312-0356676

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

b. Deposit Account Number 033975

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

**9. Signature:**

Signature

September 7, 2006

Date

E. R. Hernandez, Reg. No. 47641

Name of Person Signing

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

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

09/13/2006 DBYRNE 00000055 033975 11516496

01 FC:8021

40.00 DA

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

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

HIDEKI MIMURA

TAKESHI HAGIO

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

☐ Yes ☒ No

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

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

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

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ 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: 09/7/06

**A. Patent Application No.(s)**

**B. Patent No.(s)**

Additional numbers attached?

☐ Yes ☒ No

# ASSIGNMENT

(95S0612-1)

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

RECORDING MEDIUM CAPABLE OF INTERACTIVE REPRODUCING AND REPRODUCING SYSTEM FOR THE SAME

do hereby assign to

KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a place of business at  
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

my successors, and 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 \_\_\_\_\_, filed \_\_\_\_\_  
☐ Application No. \_\_\_\_\_

and in and to all applications for patent and patents for invention, in all countries of the world, 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, 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 in all countries.

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.

Cushman, Darby & Cushman, Ninth Floor, 1100 New York Avenue, N.W., Washington, D.C. 20005-3918

1st Inventor]

Residence Address: 2-16-26, Yohkoudai, Isogo-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

Kazuhiko Taira  
Kazuhiko Taira

2nd Inventor]

Residence Address: 4-23-1, Yohkoudai, Isogo-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

Shinichi Kikuchi  
Shinichi Kikuchi

3rd Inventor]

Residence Address: 6-5-51-301, Kamariyahigashi, Kanazawa-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

Tomoaki Kurano  
Tomoaki Kurano

4th Inventor]

Residence Address: 2-3-1-403, Namiki, Kanazawa-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

Hideki Mimura  
Hideki Mimura

5th Inventor]

Residence Address: 58-17, Yatsumachi, Kanazawa-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

Takeshi Hagio  
Takeshi Hagio

After recording please return to:  
Cushman, Darby & Cushman

Ninth Floor, 1100 New York Avenue, N.W., Washington, D.C. 20005-3918

PATENT

REEL: 018278 FRAME: 0770

# ASSIGNMENT

(95S0612-1)

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

RECORDING MEDIUM CAPABLE OF INTERACTIVE REPRODUCING AND REPRODUCING SYSTEM FOR THE SAME

do hereby assign to

KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a place of business at  
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

my successors, and 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) ☒ [X] executed concurrently herewith;  
☐ [ ] executed on \_\_\_\_\_, filed \_\_\_\_\_  
☐ [ ] Application No. \_\_\_\_\_, filed \_\_\_\_\_

and in and to all applications for patent and patents for invention, in all countries of the world, 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, 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 in all countries.

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.

Cushman, Darby & Cushman, Ninth Floor, 1100 New York Avenue, N.W., Washington, D.C. 20005-3918

1st Inventor]

Residence Address: 2-16-26, Yohkoudai, Isogo-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

*Kazuhiko Taira*

Kazuhiko Taira

2nd Inventor]

Residence Address: 4-23-1, Yohkoudai, Isogo-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

*Shinichi Kikuchi*

Shinichi Kikuchi

3rd Inventor]

Residence Address: 6-5-51-301, Kamariyahigashi, Kanazawa-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

*Tomoaki Kurano*

Tomoaki Kurano

4th Inventor]

Residence Address: 2-3-1-403, Namiki, Kanazawa-ku, Yokohama-shi, Japan

Date: APR - 5. 1996

*Hideki Mimura*

Hideki Mimura

PATENT

REEL: 018278 FRAME: 0771

[5th Inventor]

Residence Address: 58-17, Yatsumachi, Kanazawa-ku, Yokohama-shi, Japan

Date: APR - 5 1996

Takeshi Hagio  
Takeshi Hagio

After recording please return to:

Cushman, Darby & Cushman

Ninth Floor, 1100 New York Avenue, N.W., Washington, D.C. 20005-3918