



05-30-2007

U.S. Department of Commerce  
United States Patent and Trademark Office



ET

Our Ref.: MJS-160-544

103410413

5.24.07

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>1 Shiho NAKAMURA      5 Takahiro HARAI</p> <p>2 Yuichi MOTOI      6</p> <p>3 Shigeru HANEDA      7</p> <p>4 Hirofumi MORISE      8</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Assignment      <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution Date:      Messrs. Nakamura, Motoi, Morise and Harai 04/23/07; Mr. Haneda 05/11/07</p>	<p>2. Name and address of receiving party(ies):</p> <p>1) Name: Kabushiki Kaisha Toshiba</p> <p>Street Address: 1-1, Shibaura 1-chome, Minato-ku</p> <p>City: Tokyo</p> <p>State/Country: Japan      Zip: 105-8001</p> <p>2) Name</p> <p>Street Address:</p> <p>City:</p> <p>State:      Zip:</p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4. Application number(s) or patent number(s): <input type="checkbox"/> This assignment is being filed together with a new application.</p> <p>A. Patent Application No(s).</p> <p>(1) 11/729,982</p> <p>(2)</p> <p>(3)</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>B. Patent No(s).</p> <p>(1)</p> <p>(2)</p> <p>(3)</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Michael J. Shea</p> <p>Internal Address:</p> <p>Street Address: Nixon &amp; Vanderhye P.C.</p> <p>901 North Glebe Road</p> <p>11th Floor</p> <p>City: Arlington State: VA Zip: 22203</p>	<p>6. Total number of applications &amp; patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
<p>DO NOT USE THIS SPACE</p>	
<p>9. Statements and signature.</p> <p>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.</p> <p>Michael J. Shea      <i>Michael J. Shea</i>      May 24, 2007</p> <p>Name of Person Signing      Signature      Date</p> <p>Reg. No. 34,725</p> <p>Total number of pages including original cover sheet, attachments, and document: [3]</p>	

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, VA 22313-1450.

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:

**MAGNETIC SWITCHING ELEMENT AND SIGNAL PROCESSING DEVICE USING THE SAME**

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.

Nixon & Vanderhye P.C., 11th Floor 901 North Glebe Road, Arlington, Virginia 22203-1808

[1st Inventor]

Residence Address: Fujisawa-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,

Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Shiho Nakamura

Shiho Nakamura

Apr. 23, 2007

Date:

[2nd Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,

Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Yuichi Motoi

Yuichi Motoi

Apr. 23, 2007

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

Shigeru Haneda

Shigeru Haneda

May 11, 2007

Date:

[4th 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

Hirofumi Morise

Hirofumi Morise

April 23, 2007

Date:

[5th 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

Takahiro Hirai

Takahiro Hirai

Apr. 23, 2007

Date: