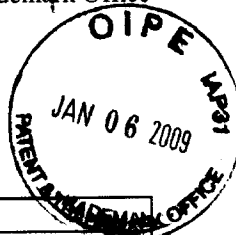


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Our Ref.: MJS-160-604



103543171

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 Hiroyuki HIEDA                      5 Yoshiyuki KAMATA</p> <p>2 Kazuto KASHIWAGI                      6</p> <p>3 Akira KIKITSU                      7</p> <p>4 Yousuke ISOWAKI                      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:                      Inv. 1) 12/4/2008; Inv. 2, 4 and 5) 12/8/08; Inv. 3) 12/11/08.</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) 12/292,564</p> <p>(2) _____</p> <p>(3) _____</p> <p>B. Patent No(s).</p> <p>(1) _____</p> <p>(2) _____</p> <p>(3) _____</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</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 <u>deficiency</u> 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 <b>Account No. 14-1140.</b></p>	
<b>DO NOT USE THIS SPACE</b>			
<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>                      January 6, 2009</p> <p>Name of Person Signing                      Signature                      Date</p> <p>Reg. No. 34,725</p> <p>Total number of pages including <b>original</b> cover sheet, attachments, and document: [3]</p>			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: 00000002 12232564  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450.

MAGNETIC RECORDING MEDIUM, METHOD AND APPARATUS FOR  
MANUFACTURING MAGNETIC RECORDING MEDIUM, AND MAGNETIC  
RECORDING APPARATUS

(check one) ☒ executed concurrently herewith  
☐ executed on \_\_\_\_\_ ;  
☐ Application No. \_\_\_\_\_, filed \_\_\_\_\_ ;

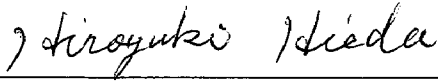
**PATENT**  
**REEL: 022094 FRAME: 0722**

## [1st 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



Hiroyuki Hieda

4. Dec. 2008

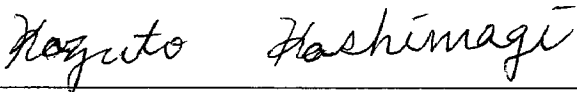
Date:

## [2nd Inventor]

Residence Address: Ome-shi, Japan

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

Citizenship: Japan



Kazuto Kashiwagi

8. Dec. 2008

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

11. Dec. 2008

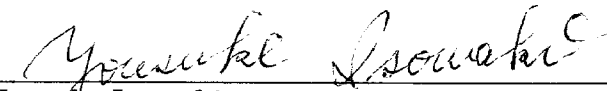
Date:

## [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



Yousuke Isowaki

Dec. 8, 2008

Date:

## [5th 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

Dec. 8. 2008

Date: