PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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</thead>
<tbody>
<tr>
<td>Masato FUKUSHIMA</td>
<td>07/30/2010</td>
</tr>
<tr>
<td>Akira SAKAWAKI</td>
<td>07/30/2010</td>
</tr>
<tr>
<td>Akira YAMANE</td>
<td>07/30/2010</td>
</tr>
</tbody>
</table>

RECEIVING PARTY DATA

Name: SHOWA DENKO K.K.
Street Address: 13-9, Shibadaimon 1-chome
City: Minato-ku, Tokyo
State/Country: JAPAN
Postal Code: 105-8518

PROPERTY NUMBERS Total: 1

<table>
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<tr>
<td>Application Number</td>
<td>12918973</td>
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CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: Q120181

NAME OF SUBMITTER: Sheldon I. Landsman

Total Attachments: 1
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ASSIGNMENT

Whereas, I/we, (1) Masato FUKUSHIMA; (2) Akira SAKAWAKI; and (3) Akira YAMANE, of c/o SHOWA DENKO ELECTRONICS K.K., 5-1, Yawata Kaigan dori, Ichihara-shi, Chiba 290-0667 Japan hereinafter called assignor(s), have invented certain improvements in MAGNETIC RECORDING MEDIUM, METHOD OF MANUFACTURING MAGNETIC RECORDING MEDIUM, AND MAGNETIC RECORDING/REPRODUCING APPARATUS and executed an application for Letters Patent of the United States of America therefor on

July 30, 2010 ; and

Whereas, SHOWA DENKO K.K. of 13-9, Shibadaimon 1-chome, Minato-ku, Tokyo 105-8318 Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number 12/918,973, filed August 23, 2010) the filing date and application number of said application when known.

Date: July 30, 2010

/s/ Masato FUKUSHIMA
Masato FUKUSHIMA

Date: July 30, 2010

/s/ Akira SAKAWAKI
Akira SAKAWAKI

Date: July 30, 2010

/s/ Akira YAMANE
Akira YAMANE

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)