

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tetsuya KANBE</td> <td>03/14/2012</td> </tr> <tr> <td>Kazuya NIWA</td> <td>03/14/2012</td> </tr> <tr> <td>Katsuya HARA</td> <td>03/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tetsuya KANBE	03/14/2012	Kazuya NIWA	03/14/2012	Katsuya HARA	03/28/2012
Name	Execution Date								
Tetsuya KANBE	03/14/2012								
Kazuya NIWA	03/14/2012								
Katsuya HARA	03/28/2012								
RECEIVING PARTY DATA									
Name:	Showa Denko K.K.								
Street Address:	13-9, Shiba Daimon 1-Chome, Minato-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	105-8518								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13396234</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13396234				
Property Type	Number								
Application Number:	13396234								
CORRESPONDENCE DATA									
Fax Number:	(703)519-9958								
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Correspondent Name:	Masayasu Mori								
Address Line 1:	918 Prince Street								
Address Line 4:	Alexandria, VIRGINIA 22314								
ATTORNEY DOCKET NUMBER:	P5669US00								
NAME OF SUBMITTER:	Masayasu Mori								
Total Attachments: 2 source=P2011-0040US01 (P5669US00) Assignment_filed#page1.tif source=P2011-0040US01 (P5669US00) Assignment_filed#page2.tif									

OP \$40.00 13396234

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I (we) the undersigned, Tetsuya KANBE, Kazuya NIWA and Katsuya HARA hereby sell, assign, and transfer to Showa Denko K.K., a corporation of Japan, having a principal place of business at 13-9, Shiba Daimon 1-Chome, Minato-ku, Tokyo 105-8518 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent, entitled:

HEAT-ASSISTED MAGNETIC RECORDING MEDIUM AND
MAGNETIC STORAGE DEVICE

- which has been executed by the undersigned concurrently herewith,
 which was filed on February 14, 2012 and assigned Serial No. 13/396,234

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby grant(s) registered practitioners of the firm of Ditthavong Mori & Steiner, P.C. of 918 Prince Street, Alexandria, Virginia, 22314, the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Each Inventor: Please Sign and Date Below:

March 14, 2012
Date

Tetsuya Kanbe
Name: Tetsuya KANBE

Each Inventor: Please Sign and Date Below:

3/14, 2012
Date

Kazuya Niwa
Name: Kazuya NIWA

Each Inventor: Please Sign and Date Below:

3/28, 2012
Date

Katsuya Hara
Name: Katsuya HARA