

## 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>Kei HIRATA</td> <td>02/17/2012</td> </tr> <tr> <td>Kosuke TANAKA</td> <td>02/17/2012</td> </tr> <tr> <td>Tsutomu CHOU</td> <td>02/17/2012</td> </tr> <tr> <td>Susumu AOKI</td> <td>02/17/2012</td> </tr> <tr> <td>Makoto ISOGAI</td> <td>02/17/2012</td> </tr> <tr> <td>Tetsuya ROPPONGI</td> <td>02/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kei HIRATA	02/17/2012	Kosuke TANAKA	02/17/2012	Tsutomu CHOU	02/17/2012	Susumu AOKI	02/17/2012	Makoto ISOGAI	02/17/2012	Tetsuya ROPPONGI	02/17/2012
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<table border="1"> <tr> <td>Name:</td> <td>TDK CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1-13-1, Nihonbashi, Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>Japan</td> </tr> <tr> <td>Postal Code:</td> <td>103-8272</td> </tr> </table>		Name:	TDK CORPORATION	Street Address:	1-13-1, Nihonbashi, Chuo-ku	City:	Tokyo	State/Country:	Japan	Postal Code:	103-8272				
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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>13402318</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13402318										
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Application Number:	13402318														
CORRESPONDENCE DATA															
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
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Address Line 1:	1940 Duke Street														
Address Line 4:	Alexandria, VIRGINIA 22314														
ATTORNEY DOCKET NUMBER:	395175US41														

OP \$40.00 13402318

NAME OF SUBMITTER:

Jessica Abarca

Total Attachments: 2

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# Assignment of Application

PSERI NAME S  
AND ADDRESS OF  
THE INVENTORS

WHEREAS, I (WE) HIRATA, Kei  
c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan  
TANAKA, Kosuke  
c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan  
CHOU, Tsutomu  
c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan  
AOKI, Susumu  
c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan  
ISOGAI, Makoto  
c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan  
ROPPONGI, Tetsuya  
c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_, respectively.

PSERI TITLE OF  
INVENTION

have invented certain new and useful improvements in: "THERMALLY ASSISTED MAGNETIC HEAD,  
MAGNETIC HEAD DEVICE AND MAGNETIC RECORDING/REPRODUCING APPARATUS"

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

PSERI NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, TDK Corporation

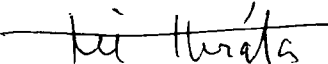
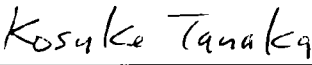
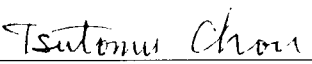
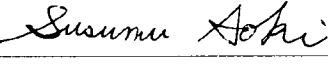
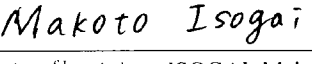

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke 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.

Date: <u>February 17, 2012</u>	 _____ (Signature of Inventor) HIRATA, Kei
Date: <u>February 17, 2012</u>	 _____ (Signature of Inventor) TANAKA, Kosuke
Date: <u>February 17, 2012</u>	 _____ (Signature of Inventor) CHOU, Tsutomu
Date: <u>February 17, 2012</u>	 _____ (Signature of Inventor) AOKI, Susumu
Date: <u>February 17, 2012</u>	 _____ (Signature of Inventor) ISOGAI, Makoto
Date: <u>February 17, 2012</u>	 _____ (Signature of Inventor) ROPPONGI, Tetsuya
Date: _____	_____ (Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.**  
ATTORNEYS AT LAW  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314