

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kei HIRATA</td> <td>06/04/2008</td> </tr> <tr> <td>Satoshi MIURA</td> <td>06/04/2008</td> </tr> <tr> <td>Tomohito MIZUNO</td> <td>06/04/2008</td> </tr> <tr> <td>Takeo KAGAMI</td> <td>06/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	Kei HIRATA	06/04/2008	Satoshi MIURA	06/04/2008	Tomohito MIZUNO	06/04/2008	Takeo KAGAMI	06/04/2008
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RECEIVING PARTY DATA											
Name:	TDK Corporation										
Street Address:	1-13-1, Nihonbashi, Chuo-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	103-8272										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12052633</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12052633						
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CORRESPONDENCE DATA											
Fax Number:	(949)760-9502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Daniel E. Altman										
Total Attachments: 2 source=Assignment_WAKAB100-021AUS#page1.tif											

CH \$40.00 12052633

ASSIGNMENT

WHEREAS, I/WE (1) Kei HIRATA,

a Japanese citizen, residing at c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku,
Tokyo 103-8272, Japan

(2) Satoshi MIURA,

a Japanese citizen, residing at c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku,
Tokyo 103-8272, Japan

(3) Tomohito MIZUNO,

a Japanese citizen, residing at c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku,
Tokyo 103-8272, Japan

(4) Takeo KAGAMI,

a Japanese citizen, residing at c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku,
Tokyo 103-8272, Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in CPP-TYPE MAGNETORESISTANCE EFFECT ELEMENT HAVING THREE
MAGNETIC LAYERS

the specification of which:

- (a) is attached hereto; or
- (b) was filed on March 20, 2008 as Application
No. 12/052,633 or Express Mail No., as Application No. not
yet known _____ and was amended
on _____ (if applicable); or
- (c) was described and claimed in PCT International Application No.
_____ filed on _____
and as amended under PCT Article 19 on _____
(if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, TDK Corporation,

with its principal place of business at 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 4th day of June, 2008 Kei Hirata
Signature of Kei HIRATA

This 4th day of June, 2008 Satoshi Miura
Signature of Satoshi MIURA

This 4th day of June, 2008 Tomohito Mizuno
Signature of Tomohito MIZUNO

This 4th day of June, 2008 Takeo Kagami
Signature of Takeo KAGAMI

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