

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takuma MITSUNAGA</td> <td>09/29/2009</td> </tr> <tr> <td>Takuma TOMINAGA</td> <td>09/29/2009</td> </tr> <tr> <td>Hiroyuki OHBA</td> <td>09/29/2009</td> </tr> <tr> <td>Kenzo KITA</td> <td>10/05/2009</td> </tr> </tbody> </table>		Name	Execution Date	Takuma MITSUNAGA	09/29/2009	Takuma TOMINAGA	09/29/2009	Hiroyuki OHBA	09/29/2009	Kenzo KITA	10/05/2009
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<b>RECEIVING PARTY DATA</b>											
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Street Address:	1-13-1, Nihonbashi, Chuo-ku										
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State/Country:	JAPAN										
Postal Code:	103-8272										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12574768</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12574768						
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Application Number:	12574768										
<b>CORRESPONDENCE DATA</b>											
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Total Attachments: 1											

CH \$40.00 12574768

**500982026**

**PATENT  
 REEL: 023336 FRAME: 0489**



**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s) to assign, and hereby, assign(s), sell(s) and transfer(s) to

TDK Corporation  
1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan

as Assignee, and its successors, assigns or other legal representatives, the entire right, title and interest, in the United States of America, and its territories, dependencies and possessions, to certain inventions known as

**MEMORY CONTROLLER, FLASH MEMORY SYSTEM WITH MEMORY CONTROLLER,  
AND METHOD OF CONTROLLING FLASH MEMORY**

described in an application for Letters Patent of the United States executed

\_\_\_\_\_ on even date herewith  
\_\_\_\_\_ as U.S. Application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_

as well as any and all continuations, divisions, and reissues of said application and all Letters Patents that may be granted therefor. The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent or Letters Patents to said Assignee.

The undersigned agree(s), when requested, to sign all papers, take all rightful oaths, and perform all acts which may be necessary for securing, maintaining and enforcing patents for said inventions and for vesting title thereto in said Assignee.

The undersigned authorize(s) and empower(s) said Assignee to invoke and claim the benefit of the right of priority provided under any and all international conventions and treaties in respect of said inventions, as may be necessary in connection with said application.

The undersigned also authorize(s) Posz Law Group, PLC to insert hereon any further identification that may be necessary or desirable for recordation of this document.

Takuma MITSUNAGA  
Inventor 1: Takuma MITSUNAGA

29/9/2009  
Date

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Witness

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Inventor 2: Takuma TOMINAGA

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Inventor 4: Kenzo KITA

5/10/2009  
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Witness

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Inventor 5:  
 Continued on page 2 for additional inventors

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness