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1. A. Name of conveying parties:

[1] Kenichi YOSHIDA
 [2] Makoto ORIKASA
 [3] Hideyuki SEIKE
 [4] Yuhei HORIKAWA
 [5] Hisayuki ABE

B. Additional name(s) of conveying party(ies) attached?
☐ Yes ☒ No

2. A. Name and address of receiving party:

TDK CORPORATION
 3-9-1, SHIBAURA,
 MINATO-KU, TOKYO 108-0023
 JAPAN

B. Additional name(s) & address(es) attached?
☐ Yes ☒ No

3. A. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

B. Execution Date: [1] - [4]: July 10, 2013
and [5]: July 9, 2013

4. A. Patent Application No. 13/960,228

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: TERMINAL STRUCTURE AND SEMICONDUCTOR DEVICE

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

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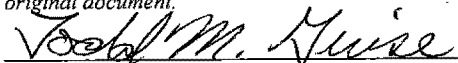
6. Total number of applications and patents involved: 1

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.



James A. Oliff, Registration No. 27,075
 Todd M. Guise, Registration No. 46,748

Date: August 6, 2013

CH \$40.00 150461 13960228

For Non-U.S. Clients

ASSIGNMENT

Whereas, I/we,

NameAddress1) **Kenichi YOSHIDA**

c/o TDK Corporation,

3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japan2) **Makoto ORIKASA**

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Minato-ku, Tokyo 108-0023 Japan

hereinafter called assignor(s), have invented certain improvements in
TERMINAL STRUCTURE AND SEMICONDUCTOR DEVICE

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless
 otherwise indicated below:

filed on August 6, 2013, Serial No. 13/960,228; and

Whereas

TDK Corporation
 3-9-1, Shibaura,
 Minato-ku, Tokyo 108-0023 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States
 patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is
 hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign,
 transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to
 this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States
 which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of
 Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and
 assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with
 assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal
 proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or
 desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional,
 continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its
 successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being
 understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and
 assigns.

INVENTORSDATE SIGNED

1):

Name:

Kenichi Yoshida**Kenichi YOSHIDA**10 / Jul / 2013

2):

Name:

Makoto Orikasa**Makoto ORIKASA**2013 / 7 / 10

3):

Name:

Hideyuki SEIKE**Hideyuki SEIKE**2013 / 7 / 10

4):

Name:

Yuhei Horikawa**Yuhei HORIKAWA**2013 / 7 / 10

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

5): Hisayuki ABE 9 / 7 / 2013
Name: Hisayuki ABE