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1. A. Name of conveying parties:

Akira SHIBUE
Yoshihiko YANO
Hitoshi SAITA
Kenji HORINO

B. Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. A. Name and address of receiving party:

TDK CORPORATION
1-13-1, NIHONBASHI,
CHUO-KU, TOKYO 103-8272 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: March 25, 2010 - ALL

4. A. Patent Application No.(s) 12/727,549

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: THIN-FILM DEVICE

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

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 320850
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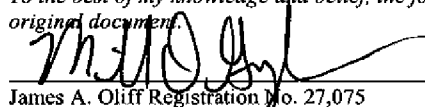
6. Total number of applications and patents involved: 1

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James A. Oliff Registration No. 27,075
Michael D. Gagliano Registration No. 62,037

Date: May 26, 2010

CH \$40.00 150461 12727549

For Non-U.S. Clients

ASSIGNMENT

Whereas, I/we,

NameAddress

1) Akira SHIBUE

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4) Kenji HORINO

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hereinafter called assignor(s), have invented certain improvements in
THIN-FILM 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 March 19, 2010

Serial No. 12/727549; and

Whereas

TDK Corporation

1-13-1, Nihonbashi,
Chuo-ku, Tokyo 103-8272 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): Akira Shibue
Name: Akira SHIBUE

2): Yoshihiko Yano
Name: Yoshihiko YANO

3): Hitoshi Saita
Name: Hitoshi SAITA

4): Kenji Horino
Name: Kenji HORINO

Mar. 25. 2010

Mar. 25. 2010

Mar. 25. 2010

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