

PATENT ASSIGNMENT COVER SHEET

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|---|---------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Shinya ONODERA | 10/31/2018 |
| Takehisa TAMURA | 10/31/2018 |
| Atsushi TAKEDA | 10/31/2018 |
| Ken MORITA | 10/31/2018 |
| RECEIVING PARTY DATA | |
| Name: | TDK CORPORATION |
| Street Address: | 3-9-1, Shibaura, Minato-ku |
| City: | Tokyo |
| State/Country: | Japan |
| Postal Code: | 108-0023 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16166629 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | SAMANTHA LIMING |
| SIGNATURE: | /Samantha Liming/ |
| DATE SIGNED: | 11/23/2018 |
| Total Attachments: 2 | |
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| source=6204256_1#page2.tif | |

ASSIGNMENT

Whereas, I/we,

NameAddress1) **Shinya ONODERA**c/o TDK Corporation,
3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japan2) **Takehisa TAMURA**c/o TDK Corporation,
3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japan3) **Atsushi TAKEDA**c/o TDK Corporation,
3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japan4) **Ken MORITA**c/o TDK Corporation,
3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japan

hereinafter called assignor(s), have invented certain improvements in

ELECTRONIC COMPONENT AND ELECTRONIC COMPONENT 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 October 22, 2018, Serial No. 16/166629; 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.

In the event that the patent application filing date or serial number is not known at the time this Assignment is executed, I/WE hereby grant permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this Assignment after such information is added.

INVENTORSDATE SIGNED

1):

Name :

Shinya Onodera
Shinya ONODERA10/31/2018

2):

Name :

Takehisa TAMURA
Takehisa TAMURA10/31/2018

3) : Atsushi TAKEDA 10/31 / 2018
Name : Atsushi TAKEDA
4) : Ken MORITA 10/31 / 2018
Name : Ken MORITA