

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	Kaoru KIJIMA	08/31/2017
	Kazushi TACHIMOTO	08/31/2017
	Tatsuya TAKI	08/31/2017
RECEIVING PARTY DATA		
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State/Country:	JAPAN	
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PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15685301	
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SIGNATURE:	/Ashley C. Kaiser/ for James A. Oliff	
DATE SIGNED:	09/15/2017	
Total Attachments: 1		
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ASSIGNMENT

Whereas, I/we,

NameAddress1) **Kaoru KIJIMA**c/o TDK Corporation,
3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japan2) **Kazushi TACHIMOTO**c/o TDK Corporation,
3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japan3) **Tatsuya TAKI**c/o TDK Corporation,
3-9-1, Shibaura,
Minato-ku, Tokyo 108-0023 Japanhereinafter called assignor(s), have invented certain improvements in
VIBRATING 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 24, 2017, Serial No. 15/685301; 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 :

Kaoru Kijima
Kaoru KIJIMA31. Aug. 2017

2) :

Name :

Kazushi Tachimoto
Kazushi TACHIMOTO31. Aug. 2017

3) :

Name :

Tatsuya Taki
Tatsuya TAKI31. Aug. 2017