

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
Masahito FURUKAWA	08/02/2010
Daisuke TANAKA	08/02/2010
Masakazu HIROSE	08/02/2010
Tadashi TAKENAKA	08/24/2010
Hajime NAGATA	08/24/2010
Yuji HIRUMA	09/03/2010

## RECEIVING PARTY DATA

Name:	TDK Corporation
Street Address:	1-13-1, Nihonbashi
City:	Chuo-ku, Tokyo
State/Country:	JAPAN
Postal Code:	103-8272

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12933507

## CORRESPONDENCE DATA

Fax Number: (202)204-0289

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 202-842-8800

Email: joann.ennis@dbr.com

Correspondent Name: DRINKER BIDDLE &amp; REATH (DC)

Address Line 1: 1500 K STREET, N.W.

Address Line 2: SUITE 1100

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-1209

ATTORNEY DOCKET NUMBER:

200357-0032

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PATENT  
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NAME OF SUBMITTER:

John G. Smith

**Total Attachments: 4**

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**ASSIGNMENT**

Whereas, I/we,

<u>Name</u>	<u>Address</u>
1) Masahito FURUKAWA	c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
2) Daisuke TANAKA	c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
3) Masakazu HIROSE	c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
4) Tadashi TAKENAKA	c/o Tokyo University of Science, Faculty of Science and Technology, 2641 Yamazaki, Noda-shi, Chiba 278-8510 Japan
5) Hajime NAGATA	c/o Tokyo University of Science, Faculty of Science and Technology, 2641 Yamazaki, Noda-shi, Chiba 278-8510 Japan
6) Yuji HIRUMA	13/136 Salisbury St., CBD, Christchurch 8013 New Zealand

hereinafter called assignor(s), have invented certain improvements in  
**PIEZOELECTRIC CERAMIC AND PIEZOELECTRIC CERAMIC COMPOSITION**

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

Whereas filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

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.

**INVENTORS****DATE SIGNED**

1):	<u>Masahito Furukawa</u>	<u>2010. 8. 2</u>
Name:	Masahito FURUKAWA	
2):	<u>Daisuke Tanaka</u>	<u>2010. 8. 2</u>
Name:	Daisuke TANAKA	
3):	<u>Masakazu Hirose</u>	<u>2010. 8. 2</u>
Name:	Masakazu HIROSE	

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

4):	<u>Tadashi Takenaka</u>	<u>2010.8.24</u>
Name:	<u>Tadashi TAKENAKA</u>	
5):	<u>Hajime Nagata</u>	<u>2010.8.24</u>
Name:	<u>Hajime NAGATA</u>	
6):		
Name:	<u>Yuji HIRUMA</u>	

**ASSIGNMENT**

Whereas, I/we,

NameAddress1) **Masahito FURUKAWA**c/o TDK Corporation,  
1-13-1, Nihonbashi,  
Chuo-ku, Tokyo 103-8272 Japan2) **Daisuke TANAKA**c/o TDK Corporation,  
1-13-1, Nihonbashi,  
Chuo-ku, Tokyo 103-8272 Japan3) **Masakazu HIROSE**c/o TDK Corporation,  
1-13-1, Nihonbashi,  
Chuo-ku, Tokyo 103-8272 Japan  
c/o Tokyo University of Science, Faculty of Science and Technology,4) **Tadashi TAKENAKA**2641 Yamazaki,  
Noda-shi, Chiba 278-8510 Japan  
c/o Tokyo University of Science, Faculty of Science and Technology,5) **Hajime NAGATA**2641 Yamazaki,  
Noda-shi, Chiba 278-8510 Japan6) **Yuji HIRUMA**13/136 Salisbury St.,  
CBD, Christchurch 8013 New Zealandhereinafter called assignor(s), have invented certain improvements in  
**PIEZOELECTRIC CERAMIC AND PIEZOELECTRIC CERAMIC COMPOSITION**and executed an application for Letters Patent of the United States of America therefor on even date herewith unless  
otherwise indicated below:

Whereas filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

**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):

Name: Masahito FURUKAWA

2):

Name: Daisuke TANAKA

3):

Name: Masakazu HIROSE

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

4):

Name:

Tadashi TAKENAKA

5):

Name:

Hajime NAGATA

6):

Name:

Yuji HIRUMA

3/9/2010

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 281)

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PATENT

RECORDED: 09/20/2010

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