

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5606620

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the FAMILY NAME OF THE FIRST NAMED INVENTOR previously recorded on Reel 040497 Frame 0986. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOSHIKI OHTA	06/19/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TDK CORPORATION
<b>Street Address:</b>	3-9-1, SHIBAURA, MINATO-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	108-0023
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	29585436
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)836-2787
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	703-836-6400
<b>Email:</b>	email@oliff.com
<b>Correspondent Name:</b>	JAMES A. OLIFF
<b>Address Line 1:</b>	OLIFF PLC
<b>Address Line 2:</b>	P.O. BOX 320850
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22320-4850
<b>ATTORNEY DOCKET NUMBER:</b>	173477
<b>NAME OF SUBMITTER:</b>	GRETCHEN BASHORE
<b>SIGNATURE:</b>	/gretchen bashore/
<b>DATE SIGNED:</b>	07/08/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 3</b>	
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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4167768

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yoshiki IKEDA	11/15/2016
Kazuo NAGATA	11/15/2016
Shuto ONO	11/15/2016
Mio HAMASHIMA	11/14/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TDK CORPORATION
<b>Street Address:</b>	3-9-1, SHIBAURA, MINATO-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	108-0023
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	29585436
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)836-2787
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	703-836-6400
<b>Email:</b>	email@oliff.com
<b>Correspondent Name:</b>	JAMES A. OLIFF
<b>Address Line 1:</b>	OLIFF PLC
<b>Address Line 2:</b>	P.O. BOX 320850
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22320-4850
<b>ATTORNEY DOCKET NUMBER:</b>	173477
<b>NAME OF SUBMITTER:</b>	GRETCHEN BASHORE
<b>SIGNATURE:</b>	/Gretchen Bashore/
<b>DATE SIGNED:</b>	12/02/2016
<b>Total Attachments: 2</b>	
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# Declaration and Assignment using an Application Data Sheet

## 出願データシートを用いた宣言書及び譲渡証

### Japanese Language Declaration and Assignment

#### 日本語宣言書及び譲渡証

**Title of Invention:****Piezoelectric Element**

発明の名称

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

この宣言書は、以下を対象とする：

This declaration is directed to:

- 本書に添付されている出願、又は  
 米国出願番号又はPCT国際出願番号

- The attached application, or  
 United States application or PCT international application number

として、

29/585436

の日に提出された出願

filed on

2016/11/23

上記出願は、私が作成したもの、又は、私がその作成を認めたものである。

The above-identified application was made or authorized to be made by me.

私は、この出願において特許請求範囲に記載された発明の、最初の発明者又は最初の共同発明者であると信じている。

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

私は、ここに、この宣言書においてなされた、いかなる故意による虚偽の陳述も、合衆国法典第18編第1001条に基づき、罰金又は5年以下の拘禁、若しくはその両方により処罰されることを認識している。

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

一方、

WHEREAS,

**TDK Corporation**

(以下「譲受人」)は、

(hereinafter referred to as "ASSIGNEE") having a place of business at:

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

に営業所を有し、該発明について、及び合衆国及びその領土において付与されたあらゆる特許証について、全ての権利、権原、及び利益を取得することを希望し、

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions;

従ってここに、受領を確認した有効にして価値ある対価と引き換えに、私は、本譲渡証により、合衆国及びその領土における該発明に対する完全で排他的な権利（国際条約及びその他の関連する国際協定の条項に従って、前記出願に基づく優先権を主張する権利を含む）と、合衆国及びその領土において付与されるあらゆる全ての特許証について及びその分割、再発行、継続、差し替え、及び更新のあらゆる全てについての全ての権利、権原、及び利益とを、該譲受人に売却し、譲渡し、及び移転する。

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, do hereby sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations, substitutions and renewal thereof.

私は、ここに、この譲渡及び売却がなされなかったならば私により保持されたであろう場合と同様に完全且つ全体的に、付与され得る存続期間の完全な最後まで、該譲受人、その承継人及び非譲渡者による専用及び利益のために、あらゆる全ての特許証を、該特許証についての私の全ての権利、権原、及び利益の譲受人としての該譲受人に、合衆国及びその領土において特許庁当局が発行することを許可し及び要請する。

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

更に、私は私が知る該発明に関するあらゆる事実を該譲受人またはその代理人に伝え、あらゆる法的手続きにおいて証言し、法の認めた書面に署名し、全ての分割、継続、一部継続、差し替え、更新、及び再発行出願に署名し、全ての必要な譲渡書類に署名することで該特許証のあらゆるものが該譲受人に発行されるようにし、正当な全ての誓約をし、更に該譲受人、その承継人及び非譲渡者が合衆国及びその領土において該発明について適切な保護を取得し及び行使することを援助するために一般に可能なことを全てを行うことを、私は同意する。

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions.

**STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R.§1.69(B):**

The Declaration and Assignment using an Application Data Sheet is an accurate translation of the corresponding English language Declaration and Assignment using an Application Data Sheet.

Signature : *Y. Kuroki*  
Yoshiki Kuroki

Date : 04/14/2014

Date: 日付	<u>06/19/2019</u>	Legal Name of Inventor: 発明者氏名	<u>Yoshiki OHTA</u>
		Inventor Signature: 発明者署名	<u>Yoshiki Ohta</u>
Date: 日付	_____	Legal Name of Inventor: 発明者氏名	_____
		Inventor Signature: 発明者署名	_____
Date: 日付	_____	Legal Name of Inventor: 発明者氏名	_____
		Inventor Signature: 発明者署名	_____