

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MIKI UEDA	03/15/2018
KAORU MIURA	03/15/2018
TAKAYUKI WATANABE	03/19/2018
SHUNSUKE MURAKAMI	04/03/2018
JUMPEI HAYASHI	03/19/2018
MAKOTO KUBOTA	03/15/2018
RECEIVING PARTY DATA	
Name:	Canon Kabushiki Kaisha
Street Address:	30-2, Shimomaruko 3-Chome, Ohta-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	146-8501
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15563892
CORRESPONDENCE DATA	
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<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>	
Phone:	+81-3-5732-8698
Email:	prj-epas@list.canon.co.jp
Correspondent Name:	CANON KABUSHIKI KAISHA
Address Line 1:	30-2, SHIMOMARUKO 3-CHOME, OHTA-KU
Address Line 4:	TOKYO, JAPAN 146-8501
ATTORNEY DOCKET NUMBER:	10148189WOUS01
NAME OF SUBMITTER:	KOZUE TANO
SIGNATURE:	/Kozue Tano/
DATE SIGNED:	05/06/2018
Total Attachments: 4	

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PATENT

REEL: 045728 FRAME: 0243

ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Miki UedaKaoru MiuraTakayuki WatanabeShunsuke MurakamiJumpei HayashiMakoto Kubotahereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**a corporation of **Japan**having a place of business at **30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan**

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

PIEZOELECTRIC MATERIAL, PIEZOELECTRIC ELEMENT, AND ELECTRONIC APPARATUS

and described in an application for Letters Patent of the United States executed by me/us, and
 filed on **March 24, 2016** as United States Application No. _____ or
 as PCT International Application No. **PCT/JP2016/001724** ,

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I/we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I/we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and

more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I/we hereby covenant that I/we have the full right to convey the entire right, title and interest herein assigned and that I/we have not executed and will not execute any agreement in conflict herewith.

AND I/we hereby covenant and agree that I/we will communicate to said Assignee or nominees all facts known to me/us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

By: Miki Ueda
Miki Ueda

Date: March 15, 2018

By: Kaoru Miura
Kaoru Miura

Date: March 15, 2018

By: Takayuki Watanabe
Takayuki Watanabe

Date: March 19, 2018

By: _____
Shunsuke Murakami

Date: _____

By: Jumpei Hayashi
Jumpei Hayashi

Date: March 19, 2018

By: Makoto Kubota
Makoto Kubota

Date: March 15, 2018

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____

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and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I/we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I/we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

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By: _____
Miki Ueda

Date: _____

By: _____
Kaoru Miura

Date: _____

By: _____
Takayuki Watanabe

Date: _____

By: Shunsuke Murakami
Shunsuke Murakami

Date: April 3, 2018

By: _____
Jumpei Hayashi

Date: _____

By: _____
Makoto Kubota

Date: _____

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____