

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
<b>CONVEYING PARTY DATA</b>																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Makoto Kubota</td> <td>06/05/2013</td> </tr> <tr> <td>Kaoru Miura</td> <td>06/06/2013</td> </tr> <tr> <td>Hisato Yabuta</td> <td>06/06/2013</td> </tr> <tr> <td>Takayuki Watanabe</td> <td>06/06/2013</td> </tr> <tr> <td>Jumpei Hayashi</td> <td>06/06/2013</td> </tr> <tr> <td>Hiroshi Funakubo</td> <td>04/24/2013</td> </tr> <tr> <td>Takahiro Oikawa</td> <td>04/24/2013</td> </tr> <tr> <td>Shintaro Yasui</td> <td>04/24/2013</td> </tr> <tr> <td>Jun-ichi Nagata</td> <td>05/27/2013</td> </tr> <tr> <td>Hiroshi Uchida</td> <td>04/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	Makoto Kubota	06/05/2013	Kaoru Miura	06/06/2013	Hisato Yabuta	06/06/2013	Takayuki Watanabe	06/06/2013	Jumpei Hayashi	06/06/2013	Hiroshi Funakubo	04/24/2013	Takahiro Oikawa	04/24/2013	Shintaro Yasui	04/24/2013	Jun-ichi Nagata	05/27/2013	Hiroshi Uchida	04/23/2013
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OP \$40.00 13770250

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13770250

**CORRESPONDENCE DATA**

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*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
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ATTORNEY DOCKET NUMBER:	03500.211851.
NAME OF SUBMITTER:	Jason M. Okun
Signature:	/Jason M. Okun/
Date:	06/10/2013

Total Attachments: 6  
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## ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Makoto KubotaKaoru MiuraHisato YabutaTakayuki WatanabeJumpei HayashiHiroshi FunakuboShintaro YasuiTakahiro OikawaJun-ichi NagataHiroshi Uchida

hereby 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,*

and unto **TOKYO INSTITUTE OF TECHNOLOGY**  
 a corporation of *Japan*  
 having a place of business at *2-12-1, Ookayama, Meguro-ku, Tokyo, Japan,*

and unto **SOPHIA SCHOOL CORPORATION**  
 a corporation of *Japan*  
 having a place of business at *7-1, Kioi-cho, Chiyoda-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 ELEMENT, LIQUID DISCHARGE HEAD AND LIQUID DISCHARGE APPARATUS**

and described in an application for Letters Patent of the United States executed by me/us, and filed on February 19, 2013 as United States Application No. 13/770250 or as PCT International Application No. 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.

Said fractions being as follows:

**Makoto Kubota** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

**Kaoru Miura** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

**Hisato Yabuta** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

**Takayuki Watanabe** sells, assigns, transfers and conveys 1/4 of his entire right, title and interest to Canon Kabushiki Kaisha, 2/4 to Tokyo Institute of Technology, 1/4 to Sophia School Corporation;

**Junpei Hayashi** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

**Hiroshi Funakubo** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

**Shintaro Yasui** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

**Takahiro Oikawa** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

**Jun-ichi Nagata** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation; and

**Hiroshi Uchida** sells, assigns, transfers and conveys 4/10 of his entire right, title and interest to Canon Kabushiki Kaisha, 5/10 to Tokyo Institute of Technology, 1/10 to Sophia School Corporation;

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: Makoto Kubota  
Makoto Kubota

Date: June 5, 2013

By: Kaoru Miura  
Kaoru Miura

Date: June 6, 2013

By: Hisato Yabuta  
Hisato Yabuta

Date: June 6, 2013

By: Takayuki Watanabe  
Takayuki Watanabe

Date: June 6, 2013

By: Junpei Hayashi  
Junpei Hayashi

Date: June 6, 2013

By: Hiroshi Funakubo  
Hiroshi Funakubo

Date: April 24, 2013

By: Shintaro Yasui  
Shintaro Yasui

Date: April 24, 2013

By: Takahiro Oikawa  
Takahiro Oikawa

Date: April 24, 2013

By: Jun-ichi Nagata  
Jun-ichi Nagata

Date: May 27, 2013

By: Hiroshi Uchida  
Hiroshi Uchida

Date: April 23, 2013