

To the Director, U.S. Patent and Trade



103507129

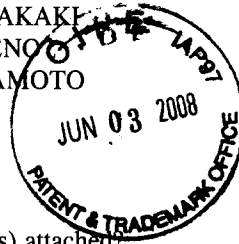
inal documents or copy thereof.

of receiving party(ies):

6.308

1. Name of conveying party(ies):

- 1) Tetsuro FUKUI
- 2) Kenichi TAKEDA
- 3) Toshihiro IFUKU
- 4) Hiroshi FUNAKUBO
- 5) Shintaro YOKOYAMA
- 6) Yong Kwan KIM
- 7) Hiroshi NAKAKI
- 8) Risako UENO
- 9) Shoji OKAMOTO



Name: CANON KABUSHIKI KAISHA

Foreign Address: 3-30-2, Shimomaruko, Ohta-ku,  
Tokyo, Japan

Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: 1) August 8, 2007; 2) August 20, 2007;

- 3) August 9, 2007; 4) and 7) September 7, 2007; 5) September 22, 2007; 6) October 1, 2007; 8) September 25, 2007; and
- 9) October 11, 2007

Name: TOKYO INSTITUTE OF TECHNOLOGY

Foreign Address: 2-12-1, Ookayama, Meguro-ku,  
Tokyo, Japan

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application Number: 11/813,943  
Filing Date: July 13, 2007

B. Title of Invention:  
PIEZOELECTRIC SUBSTANCE ELEMENT,  
PIEZOELECTRIC SUBSTANCE FILM MANUFACTURING  
METHOD, LIQUID DISCHARGE HEAD AND LIQUID  
DISCHARGE APPARATUS

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Fitzpatrick, Cella, Harper & Scinto

30 Rockefeller Plaza

New York, New York 10112-3800

Telephone No.: (212) 218-2100

Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:

One

7. Total fee (37 CFR 3.41): . . . \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)

06-1205

(Attach duplicate copy of this page if paying by deposit account):

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or a true copy of the original document.*

06/05/2008 MJAMA1 00000011 11813943  
01 FC:8021 48.00 OP

June 3, 2008

Date

Lawrence A. Stahl - Reg. No. 30,110  
Name of Person Signing

Signature

Total number of pages including cover sheet, attachments, and documents: 4

*ASSIGNMENT*

FOR VALUE RECEIVED, WE **Tetsuro Fukui, a citizen of Japan, Kenichi Takeda, a citizen of Japan, Toshihiro Ifuku, a citizen of Japan, Hiroshi Funakubo, a citizen of Japan, Shintaro Yokoyama, a citizen of Japan, Yong Kwan Kim, a citizen of the Republic of Korea, Hiroshi Nakaki, a citizen of Japan, Risako Ueno, a citizen of Japan, and Shoji Okamoto, a citizen of Japan**

hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**  
a corporation of **Japan**  
having a place of business at **3-30-2, Shimomaruko, Ohta-ku, Tokyo, Japan**  
its successors, assigns and legal representatives

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

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

**PIEZOELECTRIC SUBSTANCE ELEMENT, PIEZOELECTRIC SUBSTANCE  
FILM MANUFACTURING METHOD, LIQUID DISCHARGE HEAD AND LIQUID  
DISCHARGE APPARATUS**

and described in an application for Letters Patent of the United States executed by us, and filed on **January 18, 2006** as **Application No. PCT/JP2006/301073**, and which was entered into the national phase in the United States of America on **July 13, 2007** as **United States Application No. 11/813,943**, 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 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:

**Tetsuro Fukui** sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

**Kenichi Takeda** sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

**Toshihiro Ifuku** sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

10026000WOUS01

Hiroshi Funakubo sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

Shintaro Yokoyama sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

Yong Kwan Kim sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

Hiroshi Nakaki sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

Risako Ueno sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

Shoji Okamoto sells, assigns, transfers and conveys 6/15 of his entire right, title and interest to Canon Kabushiki Kaisha, and 9/15 to Tokyo Institute of Technology;

AND we authorize and empower the said Assignees or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by 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 us.

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

AND we hereby covenant and agree that we will communicate to said Assignees or nominees all facts known to 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 Assignees 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: Tetsuro Fukui  
Tetsuro Fukui

Date: August 8, 2007

By: Kenichi Takeda  
Kenichi Takeda

Date: August 20, 2007

By: Toshihiro Ifuku  
Toshihiro Ifuku

Date: August 9, 2007

By: Hiroshi Funakubo  
Hiroshi Funakubo

Date: September, 7, 2007

10026000WOUS01

By: Shintaro Yokoyama  
Shintaro Yokoyama

Date: September, 22, 2007

By: y. K. Kim  
Yong Kwan Kim

Date: Oct., 1, 2007

By: Hiroshi Nakaki  
Hiroshi Nakaki

Date: September, 7, 2007

By: Risako Ueno  
Risako Ueno

Date: September, 25, 2007

By: Shoji Okamoto.  
Shoji Okamoto

Date: October, 11, 2007