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Ryoichi OHARA, Naoko YANASE
Kenya SANO, Takaaki YASUMOTO
Kazuhiko ITAYA, Takashi KAWAKUBO

2. Name and address of receiving party(ies):

Name: KABUSHIKI KAISHA TOSHIBA

Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: July 18, 2006

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

☐ This document is being filed together with a new application

A. Patent Application No.(s)

11/447,999

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

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22850

Tel. (703) 413-3000
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6. Total applications and patents involved: 1

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

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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Eckhard H. Kuesters
Name of Person Signing
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Date

Registration Number: 28,870

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07/25/2006 HALI11 00000040 11447999

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40.00 DP

PATENT
REEL: 018118 FRAME: 0702

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Ryoichi OHARA of Kawasaki-shi, Kanagawa, Japan;

Naoko YANASE of Kawasaki-shi, Kanagawa, Japan;

Kenya SANO of Kawasaki-shi, Kanagawa, Japan;

Takaaki YASUMOTO of Kawasaki-shi, Kanagawa, Japan;

Kazuhiko ITAYA of Yokohama-shi, Kanagawa, Japan;

Takashi KAWAKUBO of Yokohama-shi, Kanagawa, Japan.

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: PIEZOELECTRIC THIN FILM RESONATOR AND
DEVICES PROVIDED WITH THE SAME

INSERT DATE
INVENTORS SIGNED
DECLARATION:

For which an application for Letters Patent was executed on July 18, 2006

(Application No. 11/447,999, filed June 7, 2006), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, KABUSHIKI KAISHA TOSHIBA

(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan 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 and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries 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 any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 (us) had this Assignment and sale not been made.

10/01

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

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: July 18, 2006

Ryoichi Ohara
(Signature of Inventor) Ryoichi OHARA

Date: July 18, 2006

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(Signature of Inventor) Kenya SANO

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(Signature of Inventor) Kazuhiko ITAYA

Date: July 18, 2006

Takashi Kawakubo
(Signature of Inventor) Takashi KAWAKUBO

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Date: _____

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10/01

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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RECORDED: 07/24/2006

PATENT
REEL: 018118 FRAME: 0705