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PATENTS



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102479333

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Toray Techno Co., Ltd

2. Name and address of receiving party(ies)
Name: Toray Engineering Co., Ltd.

Internal Address: Nakanoshima Mitsui Building

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

3. Nature of conveyance:

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

Street Address: 3-3, Nakanoshima 3-chome

Kita-Ku, Osaku-shi

City: Osaka State: Japan Zip: 530-8222

Execution Date: June 11, 2003

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 No.(s)

B. Patent No.(s)
6,441,540

Additional numbers attached? Yes No

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

Name: Charles N. Quinn

Internal Address: Fox Rothschild LLP

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account

06/19/2003 ECOPER 00000036 501943 6441540

01 FC:021 40.00 DA

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9. Statement and signature.

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.

Charles N. Quinn

Name of Person Signing

Signature

16 JUNE 03

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 014178 FRAME: 0608

For: U.S. Rights
For: U.S. Patent
By: Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Toray Techno Co., Ltd
1-1, Sonoyam 1-chome
Otsu-shi
Shiga 520-0842, Japan
Country of Formation: Japan

The owner of United States Patent 6,441,540, by virtue of an assignment recorded in the United States Patent and Trademark Office on October 31, 2000, at Reel 11269, Frame 0292,

hereby sells, assigns and transfers to

ASSIGNEE:

Toray Engineering Co., Ltd.
Nakanoshima Mitsui Building
3-3, Nakanoshima 3-chome
Kita-ku, Osaku-shi,
Osaka 530-8222, Japan
Country of Formation: Japan

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, in and to the invention entitled:

CYLINDRICAL PIEZOELECTRIC TRANSDUCER AND CYLINDRICAL PIEZOELECTRIC VIBRATING ELEMENT

Names of Inventors: Takao Nakayama, Hideyuki Kataoka, and Shinichi Sakamoto

of United States Patent No. 6,441,540, which issued on August 27, 2002, and further including any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required

Assignment of Invention--page 1 of 2

to maintain and enforce said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____.

TORAY TECHNO CO., LTD.

Date: June 11, 2003

BY: Kojuro Ikeda

Name: Kojuro Ikeda

Title: