

09-08-2005



Form PTO-1592 (modified)

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

1. Name of Conveying Party or Parties:

1. Hiroto SUGAHARA

Additional Names of conveying party or parties attached?

☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: August 23, 2005

2. Name and address of receiving party or parties:

Brother Kogyo Kabushiki Kaisha

15-1, Naeshiro-cho, Mizuho-ku

Nagoya-shi, Aichi-ken 467-8561

JAPAN

Additional Name(s) and address(es) attached? ☐ Yes ☒ No113219 U.S. PTO
11/213826

083005

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: August 23, 2005

A. Patent Application Number(s):

N/A

Additional Numbers attached? ☐ Yes ☒ No

B. Patent Number(s):

N/A

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

Joseph M. Potenza
 Banner & Witcoff, Ltd.
 1001 G Street, N.W., Suite 1100
 Washington, D.C. 20001-4597

6. Total Number of Applications and patents involved:

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

- ☐ Enclosed
☒ Authorized to be charged to deposit account*
☒ Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment

8. Deposit Account No.:

19-0733

Do Not Use this Space

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.

Christopher R. Glembocki, Reg. No. 38,800

Name of Person Signing

Signature

August 30, 2005

Date

Total Number of Pages including Cover Sheet: 2

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PATENT
 REEL: 016947 FRAME: 0543

ASSIGNMENT

(1-8) **Insert Name(s) of Inventor(s)**

(1) Hiroto SUGAHARA (5) _____

(2) _____ (6) _____

(3) _____ (7) _____

(4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) **Insert Name of Assignee** (9) BROTHER KOGYO KABUSHIKI KAISHA

(10) **Insert Address of Assignee** (10) 15-1, Naeshiro-cho, Mizuho-ku, Nagoya-shi, Aichi-ken 467-8561 JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) **Insert Identification of Invention such as Title, Case** (11) PIEZOELECTRIC ACTUATOR HAVING PIEZOELECTRIC LAYER AND VIBRATION PLATE WITH GROOVE, LIQUID TRANSPORTING APPARATUS, AND METHOD OF MANUFACTURING LIQUID TRANSPORTING APPARATUS

Number, or Foreign Application Number (Attorney Docket No. _____)

for which the undersigned has (have) executed an application for patent in the United States of America
August 23, 2005

(12) **Insert Date of Signing of Application** (12) on _____

(13) **Alternative Identification for filed applications** (13) U.S. application Serial Number _____
filed _____

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of **Banner & Witcoff, LTD** the power to insert on this assignment any further identification 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>Aug. 23, 2005</u>	Name of Inventor	<u>Hiroto Sugahara</u>	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)