

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3391544

| | |
|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| RYOSUKE TAHARA | 04/28/2015 |
| TADASHI UOZUMI | 04/30/2015 |
| AKIO OHTANI | 04/30/2015 |
| RECEIVING PARTY DATA | |
| Name: | MURATA MACHINERY, LTD. |
| Street Address: | 3, MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU |
| City: | KYOTO-SHI, KYOTO |
| State/Country: | JAPAN |
| Postal Code: | 601-8326 |
| Name: | GIFU UNIVERSITY |
| Street Address: | 1-1, YANAGIDO, GIFU-SHI |
| City: | GIFU |
| State/Country: | JAPAN |
| Postal Code: | 501-1193 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14663310 |
| CORRESPONDENCE DATA | |
| Fax Number: | (310)595-3300 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 310-595-3000 |
| Email: | cliff.keyner@dlapiper.com |
| Correspondent Name: | DLA PIPER US LLP |
| Address Line 1: | 2000 AVENUE OF THE STARS |
| Address Line 2: | SUITE 400 NORTH TOWER |
| Address Line 4: | LOS ANGELES, CALIFORNIA 90067-4704 |
| ATTORNEY DOCKET NUMBER: | 374618-000235 |
| NAME OF SUBMITTER: | TROY M. SCHMELZER |

| | |
|---|------------|
| SIGNATURE: | /tms/ |
| DATE SIGNED: | 06/10/2015 |
| Total Attachments: 3 source=374618_000235_RecordationForm#page1.tif source=374618_000235_Assignment#page1.tif source=374618_000235_Assignment#page2.tif | |

RECORDATION FORM COVER LETTER
PATENTS ONLY

Attorney Docket No.: 374618-000235

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ryosuke TAHARA signed 04/28/2015
Tadashi UOZUMI signed 04/30/2015
Akio OHTANI signed 04/30/2015

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

3. Nature of conveyance:

Assignment

Execution Date: April 28 & 30, 2015

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

Murata Machinery, Ltd.
3, Minami Ochiai-cho, Kisshoin, Minami-ku
Kyoto-shi, Kyoto 601-8326
Japan

and

Gifu University
1-1, Yanagido, Gifu-Shi
Gifu 501-1193
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 No.(s): 14/663,310

B. Patent No.(s)

Additional numbers attached? Yes No

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

Troy M. Schmelzer
DLA PIPER LLP (US)
2000 Avenue of the Stars
Suite 400 North Tower
Los Angeles, CA 90067-4704

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41)

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

07-1896

(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 is true and correct and any attached copy is a true copy of the original document.

_____/tms/
Troy M. Schmelzer

Date: June 10, 2015

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

- | | |
|---|--|
| (1-3) Name(s) of Inventor(s) | (1) Ryosuke TAHARA (2) Tadashi UOZUMI (3) Akio OHTANI |
| | In consideration of the 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 |
| (4) Name of Assignee(s) | (4) MURATA MACHINERY, LTD.; and GIFU UNIVERSITY |
| (5) State of Incorporation of Assignee(s) | (5) Japan |
| (6) Address of Assignee(s) | (6) of 3, Minami Ochiai-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8326 Japan; and 1-1, Yanagido, Gifu-shi, Gifu 501-1193 Japan, (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as |
| (7) Identification of Invention, such as Title, Case Number or Foreign Application Number | (7) BRAIDER AND TUBE BODY, for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon. |
| (8) Date(s) of Signing of Declaration | (8) on |

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof 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 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 or any division or divisions or continuing applications thereof 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 here in assigned and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with Customer Number: 000073230 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.

Date: April 28, 2015 Signature of Inventor 1 R. Tahara
Ryosuke TAHARA

Date: _____ Signature of Inventor 2 _____
Tadashi UOZUMI

Date: _____ Signature of Inventor 3 _____
Akio OHTANI

ASSIGNMENT

- | | |
|---|--|
| (1-3) Name(s) of Inventor(s) | (1) Ryosuke TAHARA (2) Tadashi UOZUMI (3) Akio OHTANI |
| | In consideration of the 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 |
| (4) Name of Assignee(s) | (4) MURATA MACHINERY, LTD.; and GIFU UNIVERSITY |
| (5) State of Incorporation of Assignee(s) | (5) Japan |
| (6) Address of Assignee(s) | (6) of 3, Minami Ochiai-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8326 Japan; and 1-1, Yanagido, Gifu-shi, Gifu 501-1193 Japan, (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as |
| (7) Identification of Invention, such as Title, Case Number or Foreign Application Number | (7) BRAIDER AND TUBE BODY, for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon. |
| (8) Date(s) of Signing of Declaration | (8) on |

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof 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 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 or any division or divisions or continuing applications thereof 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 here in assigned and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with Customer Number: **000073230** 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.

Date: _____ Signature of Inventor 1 Ryosuke TAHARA

Date: April 30, 2015 Signature of Inventor 2 Tadashi Uozumi
Tadashi UOZUMI

Date: April 30, 2015 Signature of Inventor 3 Akio Ohtani
Akio OHTANI

WEST255534825.1