

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Motohiro TANIGAWA</td> <td>03/18/2013</td> </tr> <tr> <td>Tadashi UOZUMI</td> <td>03/18/2013</td> </tr> <tr> <td>Diagoro NAKAMURA</td> <td>03/18/2013</td> </tr> <tr> <td>Ken HATTA</td> <td>03/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Motohiro TANIGAWA	03/18/2013	Tadashi UOZUMI	03/18/2013	Diagoro NAKAMURA	03/18/2013	Ken HATTA	03/21/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>MURATA MACHINERY, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>3, Minami Ochiai-cho, Kisshoin, Minami-ku</td> </tr> <tr> <td>City:</td> <td>Kyoto-shi, Kyoto</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>601-8326</td> </tr> </table>		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:	MURATA MACHINERY, LTD.										
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<table border="1"> <tr> <td>Name:</td> <td>TOYOTA JIDOSHA KABUSHIKI KAISHA</td> </tr> <tr> <td>Street Address:</td> <td>1, Toyota-cho</td> </tr> <tr> <td>City:</td> <td>Toyota-shi, Aichi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>471-8527</td> </tr> </table>		Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA	Street Address:	1, Toyota-cho	City:	Toyota-shi, Aichi	State/Country:	JAPAN	Postal Code:	471-8527
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13876149</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13876149						
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CORRESPONDENCE DATA											
Fax Number:	3105953300										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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CH \$40.00 13876149

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ATTORNEY DOCKET NUMBER:	374618-000197
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NAME OF SUBMITTER:	Troy M. Schmelzer
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Total Attachments: 5 source=197_assg#page1.tif source=197_assg#page2.tif source=197_assg#page3.tif source=197_assg#page4.tif source=197_assg#page5.tif
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# RECORDATION FORM COVER LETTER PATENTS ONLY

Attorney Docket No.: 374618-000197

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

1. Name of conveying party(ies):

Motohiro TANIGAWA executed 03/18/2013  
Tadashi UOZUMI executed 03/18/2013  
Daigoro NAKAMURA executed 03/18/2013  
Ken HATTA executed 03/21/2013

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

3. Nature of conveyance:

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

Execution Date: March 18 and 21, 2013

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

TOYOTA JIDOSHA KABUSHIKI KAISHA  
1, Toyota-cho, Toyota-shi  
Aichi 471-8527 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: March 21, 2013

A. Patent Application No.(s)

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, Esq.  
DLA PIPER LLP (US)  
2000 Avenue of the Stars,  
Suite 400, North Tower  
Los Angeles, CA 90067

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

8. Deposit account number:

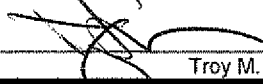
07-1896

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

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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.*



Troy M. Schmelzer

Date: March 26, 2013

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**

- |   |   |
|---|---|
| (1-8) <i>Name(s) of Inventor(s)</i>   | (1) <b>Motohiro TANIGAWA</b><br>(2) <b>Tadashi UOZUMI</b><br>(3) <b>Daigoro NAKAMURA</b><br>(4) <b>Ken HATTA</b>  |
|   | 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  |
| (9) <i>Name of Assignee</i>   | (9) <b>Murata Machinery, Ltd. and<br/>TOYOTA JIDOSHA KABUSHIKI KAISHA</b>   |
| (10) <i>State of Incorporation of Assignee</i>  | (10) <b>Japan</b>   |
| (11) <i>Address of Assignee</i>   | (11) <b>of 3, Minami Ochiai-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8326<br/>Japan, and<br/>1, Toyota-cho, Toyota-shi, Aichi 471-8572 Japan</b><br>(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as |
| (12) <i>Identification of Invention, such as Title, Case Number or Foreign Application Number</i> | (12) <b>FILAMENT WINDING APPARATUS,</b><br>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.                                 |
| (13) <i>Date(s) of Signing of Declaration</i>   | (13) 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 herein 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: March 18, 2013 Signature of Inventor 1 Motohiro Tanigawa

**Motohiro TANIGAWA**

Date: March 18, 2013 Signature of Inventor 2 Tadashi Uozumi

**Tadashi UOZUMI**

Date: March 18, 2013 Signature of Inventor 3 Daigoro Nakamura

**Daigoro NAKAMURA**

Date: \_\_\_\_\_ Signature of Inventor 4 \_\_\_\_\_

**Ken HATTA**

**ASSIGNMENT**

- (1-8) *Name(s) of Inventor(s)* (1) **Motohiro TANIGAWA**  
(2) **Tadashi UOZUMI**  
(3) **Dalgoro NAKAMURA**  
(4) **Ken HATTA**  
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
- (9) *Name of Assignee* (9) **Murata Machinery, Ltd. and  
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- (11) *Address of Assignee* (11) **of 3, Minami Ochial-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8326  
Japan, and  
1, Toyota-cho, Toyota-shi, Aichi 471-8572 Japan**  
(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
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**Motohiro TANIGAWA**

Date: \_\_\_\_\_ Signature of Inventor 2 \_\_\_\_\_

**Tadashi UOZUMI**

Date: \_\_\_\_\_ Signature of Inventor 3 \_\_\_\_\_

**Dalgoro NAKAMURA**

Date: March 21, 2013 Signature of Inventor 4 Ken Hatta

**Ken HATTA**