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Attorney Docket No. **154657**

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1. A. Name of conveying parties:

1. Yu Yan JIANG
2. Masahide INAGAKI
3. Kenji NAKASHIMA
4. Soichiro MAKINO
5. Nariaki HORINOUCI
6. Takahiro ITO

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

2. A. Name and address of receiving parties:

1. KABUSHIKI KAISHA TOYOTA
 CHUO KENKYUSHO,
 41-1, YOKOMICHI,
 NAGAKUTE-SHI, AICHI-KEN
 480-1192, JAPAN

2. TOYOTA JIDOSHA
 KABUSHIKI KAISHA,
 1, TOYOTA-CHO,
 TOYOTA-SHI, AICHI-KEN,
 471-8571 JAPAN

B. Additional name(s) & address(es) attached?
☐ Yes ☒ No

3. A. Nature of conveyance:

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

B. Execution Date: 1-5.: August 31, 2012
6. September 19, 2012

4. A. Patent Application No. 13/636,874

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: SURFACE TREATMENT APPARATUS

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

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 320850
Alexandria, VA 22320-4850
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Fax Number: 703-836-2787

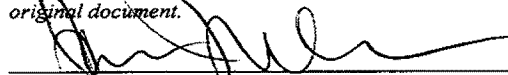
6. Total number of applications and patents involved: 1

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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.



 James A. Oliff, Registration No. 27,075
 Jana Nelson, Registration No. 66,070

Date: September 24, 2012

CH \$40.00 150461 13636874

PCT/JP2011/057269

For Non-U.S. Clients

Assignment

Whereas, I/We, (1) Yu Yan JIANG of Nagoya-shi, Aichi-ken, Japan, (2) Masahide INAGAKI of Nagoya-shi, Aichi-ken, Japan, (3) Kenji NAKASHIMA of Nisshin-shi, Aichi-ken, Japan, (4) Soichiro MAKINO of Nagakute-shi, Aichi-ken, Japan, (5) Nariaki HORINOUCI of Nisshin-shi, Aichi-ken, Japan, and (6) Takahiro ITO of Toyota-shi, Aichi-ken, Japan

hereinafter called assignor(s), have invented certain improvements in

SURFACE TREATMENT APPARATUS

and executed an application for Letters Patent of the United States of America therefor on

August 31, 2012 ; and

Whereas, (1) KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO of

41-1, Yokomichi, Nagakute-shi, Aichi-ken 480-1192, Japan

(2) TOYOTA JIDOSHA KABUSHIKI KAISHA of

1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan

(assignee(s)), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, and all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee(s) in connection with the United States application when called upon to do so by the assignee(s).

I/We hereby authorize and request our attorneys OLIFF & BERRIDGE, PLC of 277 South Washington Street, Suite 500, Alexandria, Virginia 22314 to insert here in parentheses (Application number 13/636,874, filed 9/24/2012) the filing date and application number of said application when known.

Date: Aug. 31, 2012

Yu Yan Jiang
s/ Yu Yan JIANG

Date: Aug. 31, 2012

Masahide Inagaki
s/ Masahide INAGAKI

Date: Aug. 31, 2012

Kenji Nakashima
s/ Kenji NAKASHIMA

Date: Aug. 31, 2012

Soichiro Makino
s/ Soichiro MAKINO

Date: Aug. 31, 2012

Nariaki Horinouchi
s/ Nariaki HORINOUCI

Date:

Takahiro ITO
s/ Takahiro ITO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

PATENT
REEL: 029059 FRAME: 0625

PCT/JP2011/057269

For Non-U.S. Clients

Assignment

Whereas, I/We, (1) Yu Yan JIANG of Nagoya-shi, Aichi-ken, Japan, (2) Masahide INAGAKI of Nagoya-shi, Aichi-ken, Japan, (3) Kenji NAKASHIMA of Nisshin-shi, Aichi-ken, Japan, (4) Soichiro MAKINO of Nagakute-shi, Aichi-ken, Japan, (5) Nariaki HORINOUCI of Nisshin-shi, Aichi-ken, Japan, and (6) Takahiro ITO of Toyota-shi, Aichi-ken, Japan

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; and

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41-1, Yokomichi, Nagakute-shi, Aichi-ken 480-1192, Japan

(2) TOYOTA JIDOSHA KABUSHIKI KAISHA of

1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan

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Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, and all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee(s) in connection with the United States application when called upon to do so by the assignee(s).

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Date: _____
s/ Yu Yan JIANG

Date: _____
s/ Masahide INAGAKI

Date: _____
s/ Kenji NAKASHIMA

Date: _____
s/ Soichiro MAKINO

Date: _____
s/ Nariaki HORINOUCI

Date: September 19, 2012 *Takahiro Ito*
s/ Takahiro ITO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92