

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| 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>Hirofumi OKAMOTO</td> <td>05/07/2013</td> </tr> <tr> <td>Masayoshi OKUDA</td> <td>05/10/2013</td> </tr> </tbody> </table>   |   | Name          | Execution Date                    | Hirofumi OKAMOTO    | 05/07/2013                | Masayoshi OKUDA   | 05/10/2013       |                |                  |                |          |              |          |
| Name  | Execution Date                            |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Hirofumi OKAMOTO  | 05/07/2013                                |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Masayoshi OKUDA   | 05/10/2013                                |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| RECEIVING PARTY DATA  |   |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| <table border="1"> <tr> <td>Name:</td> <td>SHIMADZU CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1, Nishinokyo-Kuwabaracho</td> </tr> <tr> <td>Internal Address:</td> <td>Nakagyo-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>604-8511</td> </tr> </table> |   | Name:         | SHIMADZU CORPORATION              | Street Address:     | 1, Nishinokyo-Kuwabaracho | Internal Address: | Nakagyo-ku       | City:          | Kyoto-shi, Kyoto | State/Country: | JAPAN    | Postal Code: | 604-8511 |
| Name:   | SHIMADZU CORPORATION                      |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Street Address:   | 1, Nishinokyo-Kuwabaracho                 |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Internal Address:   | Nakagyo-ku                                |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| City:   | Kyoto-shi, Kyoto                          |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| State/Country:  | JAPAN                                     |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Postal Code:  | 604-8511                                  |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| <table border="1"> <tr> <td>Name:</td> <td>MITSUBISHI HEAVY INDUSTRIES, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>16-5, Konan 2-Chome</td> </tr> <tr> <td>City:</td> <td>Minato-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>108-8215</td> </tr> </table>  |   | Name:         | MITSUBISHI HEAVY INDUSTRIES, LTD. | Street Address:     | 16-5, Konan 2-Chome       | City:             | Minato-ku, Tokyo | State/Country: | JAPAN            | Postal Code:   | 108-8215 |              |          |
| Name:   | MITSUBISHI HEAVY INDUSTRIES, LTD.         |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Street Address:   | 16-5, Konan 2-Chome                       |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| City:   | Minato-ku, Tokyo                          |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| State/Country:  | JAPAN                                     |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Postal Code:  | 108-8215                                  |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| 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>13989481</td> </tr> </tbody> </table>   |   | Property Type | Number                            | Application Number: | 13989481                  |                   |                  |                |                  |                |          |              |          |
| Property Type   | Number                                    |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Application Number:   | 13989481                                  |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| CORRESPONDENCE DATA   |   |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Fax Number:   | 2022937061                                |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |   |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Phone:  | 2022937060                                |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Email:  | aauebach@sughrue.com, sughrue@sughrue.com |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Correspondent Name:   | Sughrue Mion PLLC                         |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Address Line 1:   | 2100 Pennsylvania Ave NW                  |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |
| Address Line 2:   | Sangnok-gu                                |               |                                   |                     |                           |                   |                  |                |                  |                |          |              |          |

OP \$40.00 13989481

Address Line 4: Washington, DISTRICT OF COLUMBIA 20037

ATTORNEY DOCKET NUMBER:

Q202512

NAME OF SUBMITTER:

Alexander E. Auerbach, New App. Spec.

Signature:

/Alexander E. Auerbach/

Date:

05/24/2013

Total Attachments: 1

source=ASSIGNMENT#page1.tif

Docket No. \_\_\_\_\_  
US Rights Only

## Assignment

Whereas, I/We, Hirofumi OKAMOTO, Kyoto, JAPAN and Masayoshi OKUDA, Tokyo, JAPAN  
of \_\_\_\_\_  
hereinafter called assignor(s), have invented certain improvements in  
HYDRAULIC CYLINDER SYSTEM and executed an application for Letters Patent of  
the United States of America therefor on \_\_\_\_\_; and

Whereas, Shimadzu Corporation 1, Nishinokyo-Kuwabaracho, Nakagyo-ku,  
Kyoto-shi, Kyoto 604-8511 JAPAN,  
MITSUBISHI HEAVY INDUSTRIES, LTD. 16-5, Konan 2-Chome, Minato-ku, Tokyo  
108-8215 JAPAN  
(assignee), 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, its successors and assigns, the entire right, title and interest in the application  
and the invention disclosed therein for the United States of America, including 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 Director of the U.S. Patent and Trademark Office to  
issue any Letters Patent granted upon the invention set forth in the application to the  
assignee, its successors and assigns; and I/we will execute without further consideration  
all papers deemed necessary by the assignee in connection with the United States  
application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100  
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses  
(Application number 13/989,481 and Confirmation number  
4372, filed May 24, 2013) the  
application number, confirmation number and filing date of said application when known.

Date: 2013, 5, 7 Hirofumi Okamoto  
s/ Hirofumi OKAMOTO

Date: 2013, 5, 10 Masayoshi Okuda  
s/ Masayoshi OKUDA

Date: \_\_\_\_\_  
s/

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