

## PATENT ASSIGNMENT

Electronic Version v1.1

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|                                                                                      |                                             |
|--------------------------------------------------------------------------------------|---------------------------------------------|
| SUBMISSION TYPE:                                                                     | NEW ASSIGNMENT                              |
| NATURE OF CONVEYANCE:                                                                | ASSIGNMENT                                  |
| CONVEYING PARTY DATA                                                                 |                                             |
| Name                                                                                 | Execution Date                              |
| Taku ICHIRYU                                                                         | 10/06/2008                                  |
| RECEIVING PARTY DATA                                                                 |                                             |
| Name:                                                                                | mitsubishi heavy industries, ltd.           |
| Street Address:                                                                      | 16-5, Konan 2-chome, Minato-ku              |
| City:                                                                                | Tokyo                                       |
| State/Country:                                                                       | JAPAN                                       |
| Postal Code:                                                                         | 108-8215                                    |
| PROPERTY NUMBERS Total: 1                                                            |                                             |
| Property Type                                                                        | Number                                      |
| Application Number:                                                                  | 12230797                                    |
| CORRESPONDENCE DATA                                                                  |                                             |
| Fax Number:                                                                          | (202)822-1111                               |
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| ATTORNEY DOCKET NUMBER:                                                              | 082160                                      |
| NAME OF SUBMITTER:                                                                   | Stephen G. Adrian                           |
| Total Attachments: 1<br>source=082160 ASN#page1.tif                                  |                                             |

OP \$40.00 12230797

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PATENT  
REEL: 021914 FRAME: 0123

**U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by  
**MITSUBISHI HEAVY INDUSTRIES, LTD.**

(Insert ASSIGNEE's  
Name(s) Address(es))

**of 16-5, Konan 2-Chome, Minato-ku, Tokyo 108-8215, Japan**

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned  
 ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title  
 and interest to the invention entitled

(Title of Invention)

**CENTERING MECHANISM**

(\*If the assignment is  
being filed after the  
filing of the  
application, this  
section must be  
completed)

for which application for Letters Patent of the United States was executed on even date herewith  
 unless otherwise indicated below:

\* filed on **September 4, 2008** Serial No. 12/230,797

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial  
 number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any  
 continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for  
 which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any  
 continuation, divisional, reissue or reexamination applications thereof and also to execute separate  
 assignments in connection with such applications as the ASSIGNEE may deem necessary or  
 expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference,  
 litigation, or other legal proceeding which may be declared concerning this application or any  
 continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued  
 thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing  
 evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

Taku Ichiryu  
 (Signature)

Taku ICHIRYU  
 (Type Name)

OCT. 06.2008  
 (Date)

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 (Signature)

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 (Date)

**NO LEGALIZATION REQUIRED**

**PATENT**

**RECORDED: 12/02/2008**

**REEL: 021914 FRAME: 0124**