

## 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>Tanehiro SHINOHARA</td> <td>06/12/2013</td> </tr> <tr> <td>Hidekazu UEHARA</td> <td>06/12/2013</td> </tr> <tr> <td>Shin NISHIMOTO</td> <td>06/12/2013</td> </tr> <tr> <td>Takashi NAKANO</td> <td>06/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Tanehiro SHINOHARA	06/12/2013	Hidekazu UEHARA	06/12/2013	Shin NISHIMOTO	06/12/2013	Takashi NAKANO	06/12/2013
Name	Execution Date										
Tanehiro SHINOHARA	06/12/2013										
Hidekazu UEHARA	06/12/2013										
Shin NISHIMOTO	06/12/2013										
Takashi NAKANO	06/12/2013										
RECEIVING PARTY DATA											
<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, Minato-ku,</td> </tr> <tr> <td>City:</td> <td>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, Minato-ku,	City:	Tokyo	State/Country:	JAPAN	Postal Code:	108-8215
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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13994877</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13994877						
Property Type	Number										
Application Number:	13994877										
CORRESPONDENCE DATA											
<p>Fax Number: 2027218250  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-721-8200        Email: wlp@wenderoth.com        Correspondent Name: Wenderoth, Lind &amp; Ponack, L.L.P.        Address Line 1: 1030 15th Street NW        Address Line 2: Suite 400 East        Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>											
ATTORNEY DOCKET NUMBER:	2013-0906A										
NAME OF SUBMITTER:	Janae Johnson										
Signature:	/Janae Johnson/										

PATENT

Date:

06/17/2013

Total Attachments: 2

source=ASSIGNMENT#page1.tif

source=ASSIGNMENT#page2.tif

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)  
of Inventor(s) (1) Tanehiro SHINOHARA; (2) Hidekazu UEHARA; (3) Shin NISHIMOTO and (4) Takashi NAKANO  
the undersigned hereby sell(s) and assign(s) to

Insert Name(s)  
of Assignee(s) mitsubishi heavy industries, ltd.  
Address of 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 Japan  
(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of  
Invention SHAFT SEALING DEVICE, AND ROTARY MACHINE EQUIPPED THEREWITH

Date of  
Signing  
of Application for which an application for patent in the United States has been executed by the undersigned  
on \_\_\_\_\_

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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.

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.

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 or reissue 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, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 Office for recordation of this document.

2011-440-005  
OSP 47949  
A 2/2

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date June 12, 2013, Name of the Inventor Tanehiro SHINOHARA

Date June 12, 2013, Name of the Inventor Hidekazu UEHARA

Date June 12, 2013, Name of the Inventor Shin NISHIMOTO

Date June 12, 2013, Name of the Inventor Takashi NAKANO

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness \_\_\_\_\_

Witness \_\_\_\_\_

### ACKNOWLEDGMENT

\_\_\_\_\_  
\_\_\_\_\_ } ss

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above-named me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date \_\_\_\_\_

Applicant Reference Number \_\_\_\_\_ Atty Docket No. \_\_\_\_\_

Title of Invention \_\_\_\_\_