

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>Toru HOSHI</td> <td>03/01/2013</td> </tr> <tr> <td>Isao TOMITA</td> <td>03/01/2013</td> </tr> <tr> <td>Kenichiro IWAKIRI</td> <td>03/01/2013</td> </tr> <tr> <td>Takashi SHIRAISHI</td> <td>03/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	Toru HOSHI	03/01/2013	Isao TOMITA	03/01/2013	Kenichiro IWAKIRI	03/01/2013	Takashi SHIRAISHI	03/01/2013
Name	Execution Date										
Toru HOSHI	03/01/2013										
Isao TOMITA	03/01/2013										
Kenichiro IWAKIRI	03/01/2013										
Takashi SHIRAISHI	03/01/2013										
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>13813351</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13813351						
Property Type	Number										
Application Number:	13813351										
CORRESPONDENCE DATA											
<p>Fax Number: 7032058050 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-205-8000</p> <p>Email: mailroom@bskb.com, brian.mukuria@bskb.com</p> <p>Correspondent Name: Birch, Stewart, Kolash & Birch, LLP</p> <p>Address Line 1: P.O. Box 747</p> <p>Address Line 4: Falls Church, VIRGINIA 22040-0747</p>											
ATTORNEY DOCKET NUMBER:	4898-0175PUS1										
NAME OF SUBMITTER:	BRIAN MUKURIA										
<p>Total Attachments: 2</p> <p>source=2013-03-08_Assign_4898-0175PUS1#page1.tif</p> <p>source=2013-03-08_Assign_4898-0175PUS1#page2.tif</p>											

OP \$40.00 13813351

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No.: 13/813,351

Filed: January 30, 2013

Insert Name(s) of Inventor(s) ⇒ ^{*** (Given Name FAMILY NAME (ALL CAPS)) ***} WHEREAS, Toru HOSHI, Isao TOMITA, Kenichiro IWAKIRI, Takashi SHIRAIISHI
(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention ⇒ IMPELLER FOR CENTRIFUGAL COMPRESSOR

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Insert Date of Signing of Appln. ⇒ on Mar 1, 2013; and

Insert Name of Assignee ⇒ WHEREAS, MITSUBISHI HEAVY INDUSTRIES, LTD.

Insert Address of Assignee ⇒ of 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215, Japan,

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

Check Box if Appropriate ⇒ ☒ in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion 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, conversion or reissue thereof or Letters Patent(s) 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.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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 law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

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

Date	<u>Mar 1, 2013</u>	Name of Inventor	<u>Tom Hoshi</u> (Signature) Toru HOSHI
Date	<u>Mar 1, 2013</u>	Name of Inventor	<u>Isao Tomita</u> (Signature) Isao TOMITA
Date	<u>Mar 1, 2013</u>	Name of Inventor	<u>Kenichiro Iwakiri</u> (Signature) Kenichiro IWAKIRI
Date	<u>Mar 1, 2013</u>	Name of Inventor	<u>Takashi Shiraishi</u> (Signature) Takashi SHIRAISHI
Date	_____	Name of Inventor	_____ (Signature)
Date	_____	Name of Inventor	_____ (Signature)