

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Takashi SHIGE	02/24/2010
Shin NISHIMOTO	02/24/2010
Kimimitsu MARUYAMA	02/24/2010
Kenji KAWASAKI	02/24/2010
Yoshiaki FUKUNAGA	02/24/2010
Takashi NAKANO	02/24/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Mitsubishi Heavy Industries, Ltd.
<b>Street Address:</b>	16-5, Konan 2-chome, Minato-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	108-8215
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12673387
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)721-8250
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Email:</b>	wlp@wenderoth.com
<b>Correspondent Name:</b>	Wenderoth, Lind & Ponack, L.L.P.
<b>Address Line 1:</b>	1030 15th Street, N.W.
<b>Address Line 2:</b>	Suite 400 East
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20005
<b>ATTORNEY DOCKET NUMBER:</b>	2010-0137A
<b>NAME OF SUBMITTER:</b>	Katharina Hess

OP \$40.00 12673387

Total Attachments: 2  
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source=XAssignment#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) Takashi SHIGE

Shin NISHIMOTO

Kimimitsu MARUYAMA

Kenji KAWASAKI

Yoshiaki FUKUNAGA

Takashi NAKANO

Insert Name(s) of Assignee(s) the undersigned hereby sell(s) and assign(s) to

MITSUBISHI HEAVY INDUSTRIES, LTD.

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

Title of Invention (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

TURBINE ROTOR AND MANUFACTURING METHOD OF TURBINE ROTOR

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

on February 24, 2010

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., 1030 15<sup>th</sup> Street, N.W., Suite 400 East, Washington, D.C. 20005-1503, 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 recordal of this document.

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

Date <u>February 24, 2010</u>	<u>Takashi Shige</u>
Date <u>February 24, 2010</u>	Takashi SHIGE
Date <u>February 24, 2010</u>	<u>Shin Nishimoto</u>
Date <u>February 24, 2010</u>	Shin NISHIMOTO
Date <u>February 24, 2010</u>	<u>Kimimitsu Maruyama</u>
Date <u>February 24, 2010</u>	Kimimitsu MARUYAMA
Date <u>February 24, 2010</u>	<u>Kenji Kawasaki</u>
Date <u>February 24, 2010</u>	Kenji KAWASAKI
Date <u>February 24, 2010</u>	<u>Yoshiaki Fukunaga</u>
Date <u>February 24, 2010</u>	Yoshiaki FUKUNAGA
	<u>Takashi Nakano</u>
	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 *Nomako Teiji*

Witness *J. K.*

ACKNOWLEDGMENT

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

This \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me personally came the above-named \_\_\_\_\_ to 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: 09-124US Attorney Docket No.: 2010 0137A