

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>Hideyuki ARIKAWA</td><td>11/15/2007</td></tr><tr><td>Akira MEBATA</td><td>11/15/2007</td></tr><tr><td>Masahiko ARAI</td><td>11/15/2007</td></tr><tr><td>Yoshitaka KOJIMA</td><td>11/15/2007</td></tr><tr><td>Hajime TORIYA</td><td>11/27/2007</td></tr></tbody></table>	Name	Execution Date	Hideyuki ARIKAWA	11/15/2007	Akira MEBATA	11/15/2007	Masahiko ARAI	11/15/2007	Yoshitaka KOJIMA	11/15/2007	Hajime TORIYA	11/27/2007	
Name	Execution Date												
Hideyuki ARIKAWA	11/15/2007												
Akira MEBATA	11/15/2007												
Masahiko ARAI	11/15/2007												
Yoshitaka KOJIMA	11/15/2007												
Hajime TORIYA	11/27/2007												
RECEIVING PARTY DATA													
Name:	Hitachi, Ltd.												
Street Address:	6-6, Marunouchi 1-chome, Chiyoda-ku												
City:	Tokyo												
State/Country:	JAPAN												
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>11917547</td></tr></tbody></table>	Property Type	Number	Application Number:	11917547									
Property Type	Number												
Application Number:	11917547												
CORRESPONDENCE DATA													
Fax Number:	(703)684-1157												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	7036841120												
Email:	ncolston@msmbpatentlaw.com												
Correspondent Name:	Mattingly, Stanger, Malur & Brundidge, P.C.												
Address Line 1:	1800 Diagonal Road												
Address Line 2:	Suite 370												
Address Line 4:	Alexandria, VIRGINIA 22314												
ATTORNEY DOCKET NUMBER:	POL-6120												
NAME OF SUBMITTER:	Nora Colston												
Total Attachments: 1													

OP \$40.00 11917547

500420335

PATENT
REEL: 020247 FRAME: 0371

ASSIGNMENT
(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ROTOR FOR STEAM TURBINE AND METHOD OF MANUFACTURING THE SAME

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) Hideyuki ARIKAWA <u>Hideyuki Arikawa</u>	<u>11/15/2007</u>
2) Akira MEBATA <u>Akira Mebata</u>	<u>11/15/2007</u>
3) Masahiko ARAI <u>Masahiko Arai</u>	<u>11/15/2007</u>
4) Yoshitaka KOJIMA <u>Yoshitaka Kojima</u>	<u>11/15/2007</u>
5) Hajime TORIYA <u>Hajime Toriya</u>	<u>11/27/2007</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____