	U.S. Department of Commerce Patent and Trademark Office
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Commissioner of Patents and Trademarks Box Assignment, Washington, D.C. 20231 To the Honorable Commissioner of Patents and Trademarks:	H-27-00 Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Tanchiro Shinohara Yutaka Ozawa Kouichi Akagi Akihiro Kawaguchi Masanori Yuri Setunori Sakakibara Masahiko Toyoda Zenichi Yoshida Additional name/s of conveying party/ies attached? X 3. Nature of conveyance: Merger Xassignment Change of Name Other Other	2. Name and address of receiving party(ies): Name: MITSUBISHI HEAVY INDUSTRIES, LTD. Internal Address: Street Address: 5-1 Marunouchi 2-chome Chiyoda-ku City: Tokyo State/Country: Japan Zip:
Execution Date: March 3, 2000 4. Application number(s) or patent number(s):	Additional name/s & address/es attached? 🗌 Yes 🛛 No
A. Patent Application No(s). (1) 09/525,317 (2) (3)	B. Patent No(s). (1) (2) (3)
Additional number 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Arthur R. Crawford Internal Address: Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road 8 th Floor Citty: Arlington State: VA Zip: 22201	rs attached Yes No 6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 Image: State in the image in
40.00 (#) 52581 40.00 (#) 9. Statements and signature. To the best of my knowledge and belief, the foregoing info of the original document. <u>Arthur R. Crawford</u> Name of Person Signing	USE THIS SPACE
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1. Name of conveying party(ies):	•		
Nobuhiro Kunitake			
Takahiro Ohta			
Hidehiko Nakane			
Eisaku Ito Yutaka Kawata			
Koji Takeshita			
2. Name:			
Street Address:			
City:			
State:			
Zip:			
4. Application number(s) or patent number(s):			
A. Patent Application No(s).	B. Patent No(s).		
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	Case No
	ASSIGNMENT OF U.S. PATENT RIGHTS
	(1 Tanchiro Shinohara; (2. Kouichi Akagi; (3) Masanori Yuri;
	(Megabika Toyoda: (a) Yutaka Ozawa: (6) Akihiro Kawaguchi:
ntors)	(7) Setunori Sakakibara: (8) Zenichi Yoshida; (9) Nobuhiro Kunitaka;
	(10) Takahiro Ohta; (11) Hidehiko Nakane; (12) Eisaku Ito;
	13: Yutaka Kawata; and (14) Koji Takeshita
	In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and
	hereby does assign, transfer and set over to
gnee)	
Augel	MITSUBISHI HEAVY INDUSTRIES, LTD.
ress)	5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for
	the traked grates he territories dependencies and possessions in the invention, and all
	applications for patent and any Latters Patent which may be granted therefore, known as SHAFT SEAL AND TURBINE USING THE SAME
	SHAFT SEAL AND TURBINE USING THE SAME
ïtie)	for which the undersigned has (have) executed on even date herewith an application for
	patent in the United States of America or, if not on even date, then has executed on
	Person at the winter winter of the state of the state bie OO/EOE 917
	March 3, 2000 or has already filed U.S. application Serial No. 09/525, 317 , on March 13, 2000

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar

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 Patent of the United States resulting from said application or any division or divisions or continuing 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 been and write and will not execute any constants to consider herewith (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDER-IYE P.C. the power to insert on this essignment 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.

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

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Date March 3, 2000

Arata Satoh

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RECORDED: 04/27/2000

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