Form PTO-1595 (Rev. 6-93), OMB No. 0651-0011 (exp. 4/94)

## 10-06-1998



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MRD 4.28.98	: (BE(B) ((B)) BE() BE(E) (B)) B(B) (BE())						
To the Honorable Commissioner of copy thereof.	10084707	record the attached original documents or					
1. Name of conveying party(ies):  (1) Norihiko ORITA (2) Yuji NAKAGAWA (3) Takeo TAKAISHI (4) Tetsuo TAKAHASHI (5) Chuhachi GOTO (6) Yuzo KAWAHARA (7) Minoru IKE (8) Yasuhiro TERASHIMA (9) Keita INOUE  Additional name(s) of conveying pattached?  yes X no  3. Nature of Conveyance:  X Assignment Mercalled Other:  Execution Date: April 16, 1998	party(ies) ger	2. Name and address of receiving party(ies)?  Name: Mitusbishi Heavy Industries, Ltd.  Internal Address:  Street Address: 5-1, Marunouchi 2-chome, Chiyoda-ku  City State Zip  Tokyo 100, JAPAN  Additional name(s) & address(es) attached?  yesX no					
	istration number(s):						
4. Application number(s) or registration number(s):  If this document is being filed together with a new application, the execution date of the application is:							
A. Patent Application	n No.(s)	B. Patent Registration No(s).					
09/051,445  Additional numbers attached? Yes _X No							
5. Name and address of party to v correspondence concerning docu mailed:		6.Total number of applications and patents involved: 1					
Evenson, McKeown, Edwards & Lenahan, P.L.L.C. 1200 G Street, N.W., Suite 700 Washington, D.C. 20005		7. Total Fee (37 CFR 3.41): \$\frac{\pmathbf{40.00}}{\pmathbf{X}}\$ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 05-1323  Authorized to be charged to Deposit Account					
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FC:581 40.00	OP)	(Attach dupl. copy of this page if paying by Deposit Account)					
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9. Statement and Signature.  To the best of my knowledge and he is a true copy of the original do		g information is true and correct and any attached copy					
Name J_D/Evans Reg.	No. 26,269	September 28, 1998  Date					
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Do not detach this portion  Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks  Box Assignments  Washington, D.C. 20231							

PATENT REEL: 9482 FRAME: 0683

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

> Mitsubishi Heavy Industries, Ltd. 5-1, Marunouchi 2-chome, Chiyoda-ku Tokyo 100, JAPAN

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

## HEAT-RESISTANT ASSEMBLY FOR PROTECTING BOILER TUBES

as	set	forth	in	his	United	States	Patent	Application	(check	one):
	executed concurrently		herewit	th,						
					J	-				

Serial No. PCT/JP97/02626, filed July 29, 1997,

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the Untied States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of <code>EVENSON</code>, <code>McKEOWN</code>, <code>EDWARDS & LENAHAN</code>, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and trademark Office for recordation of this Assignment.

April 16,1998 Corihiko Orita

Norihiko ORITA

Kazuhiro Hayashi (signature of witness)

c/o Yokohama Research & Development Center MITSUBISHI HEAVY INDUSTRIES, LTD.

8-1, Sachiura 1-chome, Kanazawa-ku Yokohama-shi, Kanagawa, 236 JAPAN

April 16, 1998

(signature of 2nd inventor)
Yuji NAKAGAWA

Kazuhiro Hayashi

c/o Yokohama Dockyard & Machinery Works MITSUBISHI HEAVY INDUSTRIES, LTD. 12, Nishiki-cho, Naka-ku, Yokohama-shi Kanagawa, 231 JAPAN

> PATENT **REEL: 9482 FRAME: 0684**

April 16,1998	Takeo Takaishi	Kazuhiro Haxashi
'(date) '	(signature of 3rd inventor)  Takeo TAKAISHI  c/o Honmoku Division  RYONICHI ENGINEERING CO., LTD.  12, Nishiki-cho, Naka-ku, Yokohama-sh  Kanagawa, 231 JAPAN	(signature of witness)
April 16, 1998	Tetsuo TAKAHASHI  c/o Yokohama Research & Development C MITSUBISHI HEAVY INDUSTRIES, LTD. 8-1, Sachiura 1-chome, Kanazawa-ku Yokohama-shi, Kanagawa, 236 JAPAN	Kazuhiro Hayashi (signature of witness) enter
April 16, 1998	(signature of 5th inventor)  Chuhachi GOTO  C/O YOKOHAMA Research & Development C MITSUBISHI HEAVY INDUSTRIES, LTD. 8-1, Sachiura 1-chome, Kanazawa-ku Yokohama-shi, Kanagawa, 236 JAPAN	(signature of witness)
April 16, 1998	Yuzu Liwihaya  Yuzo Kawahara C/O Yokohama Research & Development C MITSUBISHI HEAVY INDUSTRIES, LTD. 8-1, Sachiura 1-chome, Kanazawa-ku Yokohama-shi, Kanagawa, 236 JAPAN	(signature of witness) enter
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Aprīl 16,1998	(signature of 9th inventor)  Keita INOUE  C/O Yokohama Dockyard & Machinery Work MITSUBISHI HEAVY INDUSTRIES, LTD.  12, Nishiki-cho, Naka-ku, Yokohama-sh. Kanagawa, 231 JAPAN	Kazuhiro Hayashi (signature of witness) ks i

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

**RECORDED: 09/28/1998** 

PATENT REEL: 9482 FRAME: 0685