



05-08-2001

H-752



101706319

4.3001

PATENTS ONLY (ref 7/28/92)

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original document or copy thereof.

- 1. Name of Party(ies) conveying an interest: Takao KUWABARA, Masataka HARADA.
- 2. Name and Address of Party(ies) receiving an interest: HITACHI, LTD. 6, Kanda Surugadai 4-chome Chiyoda-ku, Tokyo, JAPAN
- 3. Description of the interest conveyed: Assignment
- 4. Application number(s) or patent number(s).
Additional sheet attached? ___ Yes XXX No
If this document is being filed together with a new application, the execution date of the application is: _____
DATE
- A. Patent Application No. (s) 09/214,866
- B. Patent No. (s)
- 5. Name and address of party to whom correspondence concerning document should be mailed:
John R. Mattingly
Mattingly, Stanger & Malur, P.C.
104 East Hume Avenue
Alexandria, Virginia 22301
- 6. Number of applications and patents involved: One
- 7. Amount of fee enclosed or authorized to be charged: \$40.00
- 8. The Commissioner is hereby authorized to charge Deposit Account No. 50-1417 if no check is attached.

DO NOT USE THIS SPACE

- 9. Execution date of attached document: November 30, 1998
- 10. To the best of my knowledge and belief, I declare under penalty of perjury under the laws of the United States of America that the foregoing information is true and correct and that any attached copy is a true copy of the original document.

Gene W. Stockman
Name of Person Signing

Gene W. Stockman
Signature

April 30, 2001
Date

Total number of pages being submitted: 1

05/07/2001 GTOM11 00000188 09214866

01 FC:581

40.00 OP

PATENT
REEL: 011759 FRAME: 0201

A S S I G N M E N T

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the undersigned by

ASSIGNEE

Hitachi, Ltd.

whose address is 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan
a corporation of (if a corporation) Japan

receipt of which is hereby acknowledged, the undersigned hereby warrants title to, and sell and assign to said assignee, its' successors and assigns, all right, title and interest, in and for the U. S. A. and all foreign countries, including all rights of priority, in and to the invention entitled

TITLE

REVERSIBLE PUMP-TURBINE SYSTEM

invented by us/me and described in the application for U. S. Letters Patent therefor identified as:

- Serial No. _____, filed _____; or
- executed on even date herewith; or
- executed on _____,

and all United States and foreign Letters Patent which may be granted therefor, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full end of terms for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us/me if this assignment and sale had not been made;

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

And we/I do hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent, to issue said Letters Patent to said assignee, and Thomas E. Beall, Jeffrey M. Ketchum, or John R. Mattingly, 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 and Trademark Office for recordation of this document.

Signed and witnessed this 30th day of November, 19 98

Signature Takao Kuwabara
Name Takao Kuwabara

Signature Masataka Harada
Name Masataka Harada

Signature _____
Name _____

Signature _____
Name _____

Signature _____
Name _____

Signature _____
Name _____

Signature _____
Name _____

Signature _____
Name _____

Signature of Witness Mari Yamagata
Name of Witness Mari Yamagata
(SEAL)