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1. Name of conveying party(ies):
 Matsumasa SHIMMEI
 Kazuo NIIKURA

Additional name(s) of conveying party(ies) attached?
 __ yes X no

2. Name and address of receiving party(ies)
 Name: Hitachi, Ltd.
 Internal Address:

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: February 24, 2003 and February 25, 2003

Street Address: 6 Kanda Surugadai 4-chome
 Chiyoda-ku, Tokyo, Japan

City State Zip

Additional name(s) & address(es) attached?
 __ yes X no

4. Application number(s) or patent number(s): *10395288*

If this document is being filed together with a new application, the execution date of the application is: February 24, 2003 and February 25, 2003

A. Patent Application No.(s) | B. Patent No(s).

Additional numbers attached? __ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:

Crowell & Moring, L.L.P.
P.O. Box 14300
Washington, D.C. 20044

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
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9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

[Signature]

Richard R. Dieffendorf, Reg. No. 32,390

March 25, 2003
 Date

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04/02/2003 LNUELLER 00000242 10395288

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ASSIGNMENT
(讓 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, Kanda Surugadai 4-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

METHOD OF CONVERTING STORAGE PUMPS INTO REVERSIBLE PUMP-TURBINES

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 grant

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, substit

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 our signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1)	<u>K. Shimmei</u> Katsumasa SHIMMEI	<u>2/24/2003</u>
2)	<u>K. Niiura</u> Kazuo NIIKURA	<u>2/25/2003</u>
3)	_____	_____
4)	_____	_____
5)	_____	_____
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____