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

1. Name of conveying party(ies):  
**IRIE, KOUICHI  
OKAMURA, TOMOYOSHI  
ANZAI, YOSHIO  
KUROKAWA, JUNICHI**

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: 1) **HITACHI, LTD.**  
2) **Junichi KUROKAWA**

Address: 1) **6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan**  
2) **4-10-3, Mori, Isogoku, Yokohama-shi, Kanagawa-ken, Japan**

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
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Execution Date: **May 23, 23, 23, and 29, 2002.**

Other

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: **May 23, 23, 23, and 29, 2002.**

A. Patent Application No.(s)

B. Patent Registration No.(s)

**10/180029**

Additional number(s) attached  Yes  No

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

Name: **Antonelli, Terry, Stout & Kraus, LLP**

Internal Address:

**1300 North Seventeenth Street  
Suite 1800  
Arlington, VA 22209  
USA**

City: State: Zip:

6. Total number of applications and patents involved **1**

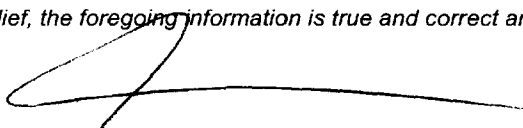
7. Total fee (37 CFR 3.41)..... **\$40.00**  
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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Alan E. Schiavelli, Reg# 32,087**  **June 27, 2002**

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **2**

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06/27/02

# ASSIGNMENT

( 譲渡証 )

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Kouichi IRIE, Tomoyoshi OKAMURA, Yoshio ANZAI, and Junichi KUROKAWA, citizens of Japan by HITACHI, LTD., and Junichi KUROKAWA, corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 4-10-3, Mori, Isogoku, Yokohama-shi, Kanagawa-ken, Japan, respectively, receipt of which is hereby acknowledged, we, the said Kouichi IRIE, Tomoyoshi OKAMURA, Yoshio ANZAI, and Junichi KUROKAWA, do hereby sell and assign to said HITACHI, LTD., and Junichi KUROKAWA, their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

## AXIAL-FLOW TYPE HYDRAULIC MACHINE

invented by us 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., and Junichi KUROKAWA, their 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 us if this assignment and sale had not been made;

And we 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, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Junichi KUROKAWA.

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) <u>Kouichi IRIE</u>	<u>5/23/02</u>
2) <u>Tomoyoshi OKAMURA</u>	<u>5/23/02</u>
3) <u>Yoshio ANZAI</u>	<u>5/23/02</u>
4) <u>Junichi KUROKAWA</u>	<u>5/29/02</u>
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____