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H-877

PATENTS ONLY (ref ... 102258504

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: 2. Name and Address of Party(ies) receiving an interest:

- 1) Masao CHAKI
- 2) Koji NISHIDA
- 3) Motoo AOYAMA
- 4) Junichi KOYAMA
- 5) Katsumasa HAIKAWA
- 6) Yasuhiro AIZAWA



HITACHI, LTD.
6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo, JAPAN

Hitachi Engineering Co., Ltd.
2-1, Saiwaicho 3-chome,
Hitachi-shi, Ibaraki, JAPAN

3. Description of the interest conveyed: Assignment

4. Application number(s) or patent number(s).

Additional sheet attached? Yes 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) B. Patent No. (s)

09/471,606

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

John R. Mattingly
Mattingly, Stanger & Malur, P.C.
1800 Diagonal Road, Suite 370
Alexandria, Virginia 22314

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.

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9. Execution date of attached document: 1) & 2) December 13, 1999
3) December 14, 1999
4) December 15, 1999
5) & 6) December 16, 1999

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

October 16, 2002
Date

Total number of pages being submitted: 1

PATENT
REEL: 013400 FRAME: 0204

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 Masao CHAKI, Koji NISHIDA, Motoo AOYAMA, Junichi KOYAMA, Katsumasa HAIKAWA, and Yasuhiro AIZAWA,

citizens of Japan by HITACHI, LTD., and Hitachi Engineering Co., Ltd., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 2-1, Saiwaicho 3-chome, Hitachi-shi, Ibaraki, Japan, respectively,

receipt of which is hereby acknowledged, we, the said Masao CHAKI, Koji NISHIDA, Motoo AOYAMA, Junichi KOYAMA, Katsumasa HAIKAWA, and Yasuhiro AIZAWA,

do hereby sell and assign to said HITACHI, LTD., and Hitachi Engineering Co., Ltd.,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to FUEL ASSEMBLY AND REACTOR CORE, AND FUEL SPACER AND CHANNEL BOX

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 Hitachi Engineering Co., Ltd.,

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 Hitachi Engineering co., Ltd.

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>Masao Chaki</u>	<u>12/13/1999</u>
2)	<u>Koji Nishida</u>	<u>12/13/1999</u>
3)	<u>Motoo Aoyama</u>	<u>12/14 / 1999</u>
4)	<u>Junichi Koyama</u>	<u>12/15 / 1999</u>
5)	<u>Katsumasa Haikawa</u>	<u>12/16 / 1999</u>
6)	<u>Yasuhiro Aizawa</u>	<u>12/16 / 1999</u>
7)	<u></u>	<u></u>
8)	<u></u>	<u></u>
9)	<u></u>	<u></u>
10)	<u></u>	<u></u>