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To the Honorable Commissioner of Patents and Trademarks: Please receive

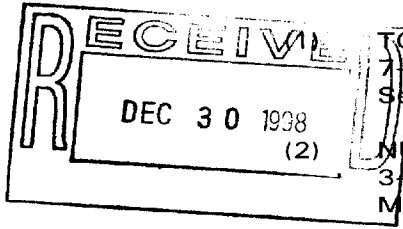
and original documents or copy thereof.

1. Name of conveying party(ies):

Yuuji MIDORIKAWA
Yoshiyuki SAITOH
Takeshi SAKAI
Teruchika KIKUCHI

2. Name and address of receiving party(ies):

TOHOKU ELECTRIC POWER CO., LTD.
7-1-1, Ichibancho 3-chome, Aoba-ku
Sendai-shi, Miyagi, Japan
NUCLEAR FUEL INDUSTRIES, LTD.
3-13, Toranomom 4-chome
Minato-ku, Tokyo, Japan



3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): November 30, 1998, November 30, 1998, November 30, 1998,
November 30, 1998, _____, _____, respectively.

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 as follows:

_____, respectively.

A. Patent Application No. (s)

B. Patent No.(s)

09/169,643

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

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C.
767 Third Avenue, 25th Floor
New York, New York 10017-2023

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

12/31/1998 SBURNS 00000139 09169643
01 FC:581 40.00 DP

Amount included with filing fee attached hereto.
 Check enclosed.

8. To the extent not tendered by check, authorization is given to charge the Assignment Fee (37 CFR.341) to Account No. 06-1378.

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.

Dated: December 22, 1998

By:
Herbert Goodman
Reg. No. 17,081

CERTIFICATE OF MAILING

I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date noted below.

Attorney: Herbert Goodman

Dated: December 22, 1998

ASSIGNMENT

In consideration of value received, I having a residence and post office address as stated below next to my name; the sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below or on additional sheets attached hereto) of an invention described in an application for United States patent entitled:

INHIBITION OF RADIOACTIVE MATERIAL DEPOSITION IN PRIMARY COOLANT STRUCTURE OF NUCLEAR POWER PLANT

sell and assign to (1) TOHOKU ELECTRIC POWER CO., LTD.
a corporation of Japan, having a business address at:
7-1, Ichibancho 3-chome, Aoba-ku, Sendai-shi, Miyagi, Japan; and

(2) NUCLEAR FUEL INDUSTRIES, LTD.
a corporation of Japan, having a business address at:
3-13, Toranomon 4-chome, Minato-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;


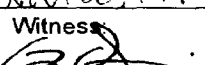
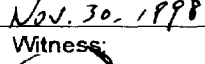
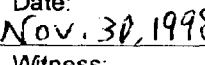
and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assgnment the Serial Number and filing date of said application when known.

SERIAL NO.: 09/169,643

FILING DATE: October 9, 1998

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C., 767 Third Avenue - 25th Floor, New York, New York 10017-2023.

INVENTOR: SIGNATURE	DATE	ADDRESS
Sign: Yuuji Midorikawa Yuuji MIDORIKAWA	Date: Nov. 30, 1998 Witness: 	Address: 3-16, Tohricho 2-chome, Aoba-ku, Sendai-shi, Mitagi, 984-0915 Japan
Sign: Yoshiyuki Saitoh Yoshiyuki SAITOH	Date: Nov. 30, 1998 Witness: 	Address: 2-111, Naritamachi 4-chome, Wakabayashi-ku, Sendai-shi, Miyagi, 984-0054 Japan
Sign: Takeshi Sakai Takeshi SAKAI	Date: Nov. 30, 1998 Witness: 	Address: 1048-112, Uda, Izumiohtsu-shi, Osaka, 595-0034 Japan
Sign: Teruchika KIKUCHI Teruchika KIKUCHI	Date: Nov. 30, 1998 Witness: 	Address: 49-1, Shinkecho, Sakai-shi, Osaka, 599-8232 Japan

RECORDING OFFICER:

After recording, please return to:

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RECORDED: 12/30/1998

PATENT
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