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OMB No. 0651-0027 (exp. 6/30/2005)S. DEPARTMENT OF COMMERCE
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103053282

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):Myeong Soo Jeong
Jin Mok Hur
Soo Haeng Cho
Chung Seok Seo
Seong Won ParkExecution Date(s) July 12, 2005Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: Korea Atomic Energy Research Institute

Internal Address: _____

Street Address: 150 Dukjin-dong, Yuseong-guDaejeon, Republic of Korea

City: _____

State: _____

Country: _____

Zip: _____

Additional name(s) & address(es) attached? ☒ Yes ☐ No**4. Application or patent number(s):**☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

07/28/2005 HLE333 00000037 11/189657

40.00 DP

Additional numbers attached? ☐ Yes ☐ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Kent E. BaldaufInternal Address: The Webb Law FirmStreet Address: 700 Koppers Building436 Seventh AvenueCity: PittsburghState: PA Zip: 15219-1845Phone Number: 412-471-8815Fax Number: 412-471-4094Email Address: webblaw@webblaw.com**6. Total number of applications and patents involved:**1**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed **with filing fee**
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

July 26, 2005

Date

Kent E. Baldauf, Jr., Registration No. 36,082

Name of Person Signing

Atty Docket No. 1455-052196

Total number of pages including cover sheet, attachments, and documents:

5

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 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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RECORDATION FORM COVER SHEET FOR PATENTS CONTINUED

2. (CONTINUED)

KOREA HYDRO & NUCLEAR POWER CO., LTD.
167 Samsung-dong, Kangnam-gu
Seoul, Republic of Korea

ASSIGNMENT

WHEREAS, We, Myeong Soo JEONG, Jin Mok HUR, Soo Haeng CHO, Chung Seok SEO and Seong Won PARK residing in 254-9 Byun-dong, Seo-gu, Daejeon, Republic of Korea; 9-302 Gongdong Apt., Doryong-dong, Yuseong-gu, Daejeon, Republic of Korea; 26-105 Samsung Apt., Oryu-dong, Joong-gu, Daejeon, Republic of Korea; 113-507 Hanmaeul Apt., Songgang-dong, Yuseong-gu, Daejeon, Republic of Korea; and 113-407 Hanmaeul Apt., Songgang-dong, Yuseong-gu, Daejeon, Republic of Korea; have invented certain new and useful improvements entitled **APPARATUS AND METHOD FOR QUANTITATIVE SOLIDIFICATION OF MOLTEN SALT BY USING VACUUM TRANSFER AND DUAL VESSEL** for which we have this day executed an application for United States Letters Patent;

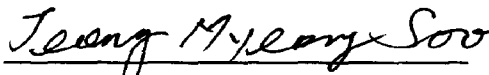
AND, WHEREAS KOREA ATOMIC ENERGY RESEARCH INSTITUTE and KOREA HYDRO & NUCLEAR POWER CO., LTD. corporations of the Republic of Korea, having a place of business at 150 Dukjin-dong, Yuseong-gu, Daejeon, Republic of Korea; and 167 Samsung-dong, Kangnam-gu, Seoul, Republic of Korea, respectively, hereinafter called the "assignees", are desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to us by said assignees, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer, and set over unto said assignees the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof, said assignees to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignees or the representative thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignees or by counsel for said assignees, to assist or enable said assignees to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignees.

Dated: July 12, 2005


JEONG, Myeong Soo

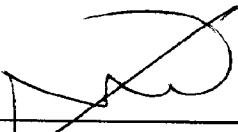
Dated: July 12, 2005


HUR, Jin Mok

Dated: July 12, 2005



CHO, Soo Haeng

Dated: July 12, 2005



SEO, Chung Seok

Dated: July 12, 2005



PARK, Seong Won