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To the Director of the United States Patent and Trademark Office

the attached original documents or copy thereof.

1. Name of conveying party(ies):

KIM, Jang-Lyul  
LEE, Jung-II  
YANG, Jeong-Sun  
KIM, Bong-Hwan

4.26.07

Additional names(s) of conveying party(ies)

Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: April 2, 2007

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

Name: Korea Atomic Energy Research Institute

Address: 150 Dukjin-dong

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City: Daejeon-si

State/Prov.: \_\_\_\_\_

Country: Republic of Korea

ZIP: 305-353

Additional name(s) & address(es)

Yes  No

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

If this document is being filed together with a new application, the execution date of the application is:

KIM, Jang-Lyul, et al.

Patent Application No.

Filing date

B. Patent No.(s)

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Additional numbers

Yes  No

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6. Total number of applications and patents involved:

1

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

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1. Name of conveying party(ies):  
**KIM, Jong-Soo**

Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
Name: **Korea Hydro & Nuclear Power Co. Ltd.**  
Address: **167, Samsung1-dong**  
**Gangnam-gu**

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: **April 2, 2004**

City: **Seoul** State/Prov.: \_\_\_\_\_  
Country: **Republic of Korea** ZIP: **135-882**  
Additional name(s) & address(es)  Yes  No

4. Application number(s) or patent numbers(s):  
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Patent Application No.	Filing date

Additional numbers  Yes  No

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Country: **USA** ZIP: **10016**

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

7. Total fee (37 CFR 3.41):.....\$ **40.00**  
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# ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION

*This is an assignment of the following rights, title and interest (check all that apply):*

- United States of America rights, title and interest in the invention*
- Foreign rights, title and interest in the invention*
- United States Patent Application Serial No.* \_\_\_\_\_  
*Date of Execution:* \_\_\_\_\_ *Date of Filing:* \_\_\_\_\_
- United States Provisional Patent Application Serial No.* \_\_\_\_\_
- United States Patent No(s).* \_\_\_\_\_
- International (PCT) Patent Application Serial No.* \_\_\_\_\_
- Other (specify)* \_\_\_\_\_

*Title of the Invention:*

**THERMOLUMINESCENT DOSIMETER FOR RADIATION MONITORING, COMPRISING LiF DOPED WITH Mg, Cu AND Si, AND FABRICATION METHOD THEREOF**

*Inventors (assignors):*

<i>Name</i>	<i>Address</i>
KIM, JANG-LYUL	Hanbit APT 136-1005, 99 Eocun-Dong, Yuseong, Deajeon, 305-755, Republic of Korea
LEE, JUNG-IL	101, 146-12 Sinsung-Dong, Yuseong, Deajeon, 305-804, Republic of Korea
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Korea Hydro & Nuclear Power Co. Ltd.

167, Samsung 1-dong, Gangnam-gu, Seoul, 135-882,  
Republic of Korea

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and /or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuation-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

**Inventors' Signatures:**

Name	Signature/ Date
KIM, JANG-LYUL	<i>KIM, Jang-lyul</i> 2007.4.2
LEE, JUNG-IL	<i>Lee Jung-il</i> 2007.4.2.
YANG, JEONG-SUN	<i>Jeong sun, yang</i> April 2, 2007
KIM, BONG-HWAN	<i>Kim Bong-hwan</i> 4.2. 2007.
KIM, JONG-SOO	<i>Kim jongsoo</i> April 2. 2007