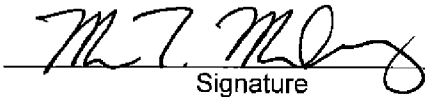


Client Code: IVAKC1.009AUS  
KR-000164-01-US-REG

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>Youngtack SHIM</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> SNU R&amp;DB FOUNDATION</p> <p><b>Internal Address:</b></p> <p><b>Street Address:</b> San 56-1, Sillim-dong, Gwanak-gu</p> <p><b>City:</b> Seoul, Republic of Korea <b>State:</b></p> <p><b>ZIP:</b> 151-742</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement</p> <p>( ) Merger ( ) Change of Name</p> <p>( ) Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>December 3, 2008</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 12/195,330</p> <p>Filing Date: August 20, 2008</p> <p>Additional numbers attached?</p> <p>( ) Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995</p> <p><b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614</p> <p><b>Return Fax:</b> (949) 760-9502</p> <p><b>Attorney's Docket No.:</b> IVAKC1.010AUS</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Marc T. Morley</u> Name of Person Signing</p> <p><u>52,051</u> Registration No.</p> <p><u></u> Signature</p> <p><u>December 19, 2008</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

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**PATENT**  
**REEL: 022017 FRAME: 0461**

CH \$40.00 111410 12195330

Application No.: 12/195,330

Filing Date: August 20, 2008

**PATENT**

Client Code: IVAKC1.009AUS

IVA REF. NO.: KR-000164-01-US-REG

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### **ASSIGNMENT**

WHEREAS, I, Youngtack SHIM, a citizen of the Republic of Korea, residing at Hanyang Apt. 42-1201, Apgujeong-dong, Gangnam-gu, Seoul 135-904, Republic of Korea, have invented certain new and useful improvements in a ARRANGING MATERIALS ON A SUBSTRATE for which I have filed an application for Letters Patent in the United States, Application No. 12/195,330;

AND WHEREAS, SNU R&DB FOUNDATION (hereinafter "ASSIGNEE"), with its principal place of business at San 56-1, Sillim-dong, Gwanak-gu, Seoul 151-742, Republic of Korea, desires to acquire the entire right, title, and interest in and to said improvements and said Application;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND I HEREBY covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said Improvements in all countries.

**PATENT**

**REEL: 022017 FRAME: 0462**

Application No.: 12/195,330

Filing Date: August 20, 2008

**PATENT**

Client Code: IVAKC1.009AUS

IVA REF. NO.: KR-000164-01-US-REG

Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of December, 2008.

  
Youngtack SHIM

The undersigned witnessed the signature of Youngtack SHIM to this document and makes the following statements:

1. Youngtack SHIM is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on December 3, 2008, to execute this document.
2. Youngtack SHIM subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

By:  \_\_\_\_\_

Print Name: LEE, SE LIM

**PATENT****REEL: 022017 FRAME: 0463**

Application No.: 12/195,330

Filing Date: August 20, 2008

**PATENT**

Client Code: IVAKC1.009AUS

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**ACCEPTANCE BY ASSIGNEE**

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of SNU R&DB FOUNDATION. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

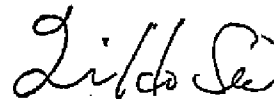
  X   I am an officer of the above-identified ASSIGNEE,

       I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

and that all the foregoing is true and correct.

Dated: December 3, 2008

By:



Name: Jin-Ho SEO

Title: CEO of SNU R&amp;DB FOUNDATION

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**PATENT****RECORDED: 12/19/2008****REEL: 022017 FRAME: 0464**