

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MYOUNG-SOON KIM</td> <td>10/28/2013</td> </tr> <tr> <td>JONG-MYEON PARK</td> <td>10/28/2013</td> </tr> <tr> <td>JUNG-WON KEUM</td> <td>10/28/2013</td> </tr> <tr> <td>CHANG-EUN YOO</td> <td>10/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	MYOUNG-SOON KIM	10/28/2013	JONG-MYEON PARK	10/28/2013	JUNG-WON KEUM	10/28/2013	CHANG-EUN YOO	10/28/2013
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<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>129, SAMSUNG-RO, YEONGTONG-GU</td> </tr> <tr> <td>City:</td> <td>SUWON-SI, GYEONGGI-DO</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	129, SAMSUNG-RO, YEONGTONG-GU	City:	SUWON-SI, GYEONGGI-DO	State/Country:	KOREA, REPUBLIC OF	Postal Code:	443-742
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CORRESPONDENCE DATA											
<p>Fax Number: (312)616-5700</p> <p>Phone: 312-616-5600</p> <p>Email: Chgpatent@leydig.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: LEYDIG VOIT &amp; MAYER, LTD</p> <p>Address Line 1: TWO PRUDENTIAL PLAZA, SUITE 4900</p> <p>Address Line 2: 180 NORTH STETSON AVENUE</p> <p>Address Line 4: CHICAGO, ILLINOIS 60601-6731</p>											
ATTORNEY DOCKET NUMBER:	713366										
NAME OF SUBMITTER:	JOHN L. GASE										

Signature:	/John L. Gase/
Date:	10/30/2013
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

## ASSIGNMENT

### WHEREAS, I/WE

Myoung-soon Kim, Jong-myeon Park, Jung-won Keum all of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Gibeung-gu, Yongin-si, Gyeonggi-do, KR,

hereinafter referred to as Assignor, have invented a certain invention entitled:

NUCLEIC ACID STRUCTURE COMPLEX INCLUDING NUCLEIC ACIDS,  
RAMAN-ACTIVE MOLECULES, AND METAL PARTICLES, METHOD OF  
PREPARING THE SAME, AND METHOD OF DETECTING TARGET MATERIAL BY  
USING THE NUCLEIC ACID STRUCTURE COMPLEX

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on October 30, 2013, under U.S. Application No. 14/067,825, and

WHEREAS, SAMSUNG ELECTRONICS CO., LTD. of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, KR, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, and the patents that may issue thereon,

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,


Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date 2013. 10. 28

  
Assignor: Myoung-soon Kim

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Date 2013. 10. 28

  
Assignor: Jong-myeon Park

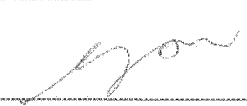
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Date 2013. 10. 28

  
Assignor: Jung-won Keum

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Date 2013. 10. 28

  
Assignor: Chang-eun Yoo

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