502632329 01/13/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2678937

| Stylesheet Version v | v1.2 | | | | |
|-----------------------------------|--|--|---|----------------|--|
| SUBMISSION TYPE: | | NEW ASSIGNMENT | | | |
| NATURE OF CONVEYANCE: | | ASSIGNMENT | | | |
| CONVEYING PARTY | DATA | | | | |
| <u> </u> | | | Name | Execution Date | |
| GYU-CHUL YI | | | | 12/05/2011 | |
| YONG-JIN KIM | | | | 12/05/2011 | |
| RECEIVING PARTY D | DATA | | | | |
| Name: | SNU R&DB FO | | | | |
| Street Address: | SAN 56-1, SIL | SAN 56-1, SILLIM-DONG | | | |
| Internal Address: | GWANAK-GU | | | | |
| City: | SEOUL | SEOUL | | | |
| State/Country: | KOREA, REP | KOREA, REPUBLIC OF | | | |
| Postal Code: | 151-015 | | | | |
| Property Type | | | Number | | |
| Application Number: 13376 | | 382 ———————————————————————————————————— | | | |
| CORRESPONDENCE Fax Number: Phone: | (408 | 3)286-89 2868933 | | | |
| Email: | pt_d be sent via US Ma : JUS 12 S | ocket@ <i>ail when</i> TINE O SOUTH I | iplg.com <i>the email attempt is unsuccessful.</i> | | |
| ATTORNEY DOCKET NUMBER: | | | UIP.SNU.PT1 | | |
| NAME OF SUBMITTER: | | | JUSTINE OH | | |
| Signature: | | | /Justine Oh/ | | |
| Date: | | | 01/13/2014 | | |

PATENT REEL: 031952 FRAME: 0775

source=Assignment_Yi_12052011#page1.tif source=Assignment_Kim_12052011#page1.tif

Total Attachments: 2

Attorney Docket No.: UIP.SNU.PT1 Customer No.: 24943

ASSIGNMENT

WHEREAS, I, Gyu-chul Yi, (hereinafter referred to as "ASSIGNOR"), am an inventor of application for United States Letters Patent, Application No. <u>TBD</u>, filed on <u>TBD</u> for the invention entitled "Nano Device", which is a national phase of International Application No. PCT/KR2010/003354 filed on May 27, 2010;

WHEREAS, <u>SNU R&DB FOUNDATION</u>, a university existing under the laws of the country of <u>Republic of Korea</u>, having its principal place of business at <u>San 56-1</u>, <u>Sillim-dong</u>, <u>Gwanak-gu</u>, <u>Seoul 151-015</u>, <u>Korea</u> (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the invention and said application for Letters Patent;

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNOR, has sold, assigned and set over, and by these presents does hereby sell, assign and set over unto the said ASSIGNEE, its legal representatives, successors and assigns, its entire rights, title and interest in and to said application to United States Letters Patent, and the invention disclosed, described or claimed in said application to Letters Patent, together with all divisions, reissues, continuations and extensions thereof, and any and all rights of recovery for past infringement of said application to Letters Patent.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application for patent and any applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

| Nec. 5 2611 | Gythelf. | |
|-------------|----------|-------------|
| Date | Name: | Gyu-chul Yi |

Attorney Docket No.: UIP.SNU.PT1 Customer No.: 24943

ASSIGNMENT

WHEREAS, I, Yong-Jin Kim, (hereinafter referred to as "ASSIGNOR"), am an inventor of application for United States Letters Patent, Application No. <u>TBD</u>, filed on <u>TBD</u> for the invention entitled "Nano Device", which is a national phase of International Application No. PCT/KR2010/003354 filed on May 27, 2010;

WHEREAS, <u>SNU R&DB FOUNDATION</u>, a university existing under the laws of the country of <u>Republic of Korea</u>, having its principal place of business at <u>San 56-1</u>, <u>Sillim-dong</u>, <u>Gwanak-gu</u>, <u>Seoul 151-015</u>, <u>Korea</u> (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the invention and said application for Letters Patent;

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNOR, has sold, assigned and set over, and by these presents does hereby sell, assign and set over unto the said ASSIGNEE, its legal representatives, successors and assigns, its entire rights, title and interest in and to said application to United States Letters Patent, and the invention disclosed, described or claimed in said application to Letters Patent, together with all divisions, reissues, continuations and extensions thereof, and any and all rights of recovery for past infringement of said application to Letters Patent.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application for patent and any applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Dec 5, 2011

Name: Yong-Jin Kim

PATENT REEL: 031952 FRAME: 0777

RECORDED: 01/13/2014