

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Dong Hwan KIM</td> <td>09/14/2009</td> </tr> <tr> <td>Sang-Hyo RYU</td> <td>09/14/2009</td> </tr> <tr> <td>Wan Sung LEE</td> <td>09/14/2009</td> </tr> <tr> <td>Namsun CHOI</td> <td>09/14/2009</td> </tr> <tr> <td>Hyun-Kyung SUNG</td> <td>09/14/2009</td> </tr> <tr> <td>Youngchan JANG</td> <td>09/14/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Dong Hwan KIM | 09/14/2009 | Sang-Hyo RYU | 09/14/2009 | Wan Sung LEE | 09/14/2009 | Namsun CHOI | 09/14/2009 | Hyun-Kyung SUNG | 09/14/2009 | Youngchan JANG | 09/14/2009 |
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| Hyun-Kyung SUNG | 09/14/2009 | | | | | | | | | | | | | | |
| Youngchan JANG | 09/14/2009 | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| Name: | KOREA KUMHO PETROCHEMICAL CO., LTD. | | | | | | | | | | | | | | |
| Street Address: | Kumho Asiana Main Tower | | | | | | | | | | | | | | |
| Internal Address: | 115 Sinmunno 1-Ga | | | | | | | | | | | | | | |
| City: | Jongro-Gu, Seoul | | | | | | | | | | | | | | |
| State/Country: | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF | | | | | | | | | | | | | | |
| Postal Code: | 110-857 | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12568884</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12568884 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 12568884 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 1942/72 | | | | | | | | | | | | | | |

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PATENT
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NAME OF SUBMITTER:

Matthew G. Kuspa

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we

- i) Dong Hwan KIM residing at 101-507 Daelim Dure Apt., Sinseong-dong, Yuseong-gu, Daejeon 305-720, Korea;
- ii) Sang-Hyo RYU residing at Suite 102, 209-5 Sinseong-dong, Yuseong-gu Daejeon 305-345, Korea;
- iii) Wan Sung LEE residing at 308-1202 Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-761, Korea;
- iv) Namsun CHOI residing at 110-307 Daelim Dure Apt., Sinseong-dong, Yuseong-gu, Daejeon 305-720, Korea;
- v) Hyun-Kyung SUNG residing at 108-1503 Lucky Hana Apt., Sinseong-dong, Yuseong-gu Daejeon 305-721, Korea;
- vi) Youngchan JANG residing at 105-906 Chonggu Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-729, Korea

all of citizens of Republic of Korea, respectively, (hereinafter referred to as "the Assignors") ; have invented new and useful improvements in Catalyst for preparing carbon nanotube comprising multi-component support materials containing amorphous silicon particles and the bulk scale preparation of carbon nanotube using the same for which we are about to make application for Letters Patent of the United States, said application having been executed on even date hereof; and

WHEREAS, KOREA KUMHO PETROCHEMICAL CO., LTD.

organized and existing under and by virtue of the laws of the Republic of

Korea, having an office at Kumho Asiana Main Tower, 115 Sinmunno 1-Ga, Jongro-Gu, Seoul 110-857, Korea (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the application and invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

Now, THEREFORE, for and in consideration of the equivalent of U. S. \$1.00 (One U. S. Dollar) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the Assignors, have assigned and transferred, and do hereby assign and transfer, unto the Assignee, its successors and assigns, the entire right, title and interest in and to the application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America on the invention, and any Letters Patent that may issue thereon or therefor in the United States, and all reissues, extensions, renewals, divisions and continuations thereof, to the full end of the term or terms for which the Letters Patent may be issued, the same to be held and enjoyed by the Assignee, its successors and assigns, the same as it would have been held and enjoyed by us if this Assignment had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue all such Letters Patent to the Assignee, its successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we, the Assignors, bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee, its successors and assigns, to vest in the Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises, that we, our executors and administrators, will at any time upon request communicate to the assignee, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any interference or other litigation when requested so to do by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this
14th day of September 2009.

김동환

Name : Dong Hwan KIM

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this
14th day of September, 2009.

류상호

Name : Sang-Hyo RYU

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this
14th day of September, 2009.

이완성

Name : Wan Sung LEE

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14th day of September, 2009.

최남선

Name : Namsun CHOI

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this
14th day of September, 2009.

성현경

Name : Hyun-Kyung SUNG

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this
14th day of September, 2009.

장영찬

Name : Youngchan JANG

WITNESSED BY :

아함

Name : Jung Ah AHN
Kumho Asiana Main Tower, 115 Sinmunno 1-Ga,
Jongro-Gu, Seoul 110-857, Korea

WITNESSED BY :

박서민

Name : Soo Min PAEK
Kumho Asiana Main Tower, 115 Sinmunno 1-Ga,
Jongro-Gu, Seoul 110-857, Korea