### 502118026 11/05/2012

### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Sang Kyu CHOI	10/19/2012
Sang Hyo RYU	10/19/2012
Ho Soo HWANG	10/19/2012
Chung Heon JEONG	10/19/2012
Dong Hoon OH	10/19/2012
Yeon Ja LEE	10/19/2012
Youngchan JANG	10/19/2012

### **RECEIVING PARTY DATA**

Name:	KOREA KUMHO PETROCHEMICAL CO., LTD.		
Street Address:	Signature Tower, 100 Cheonggyecheon-no		
Internal Address:	Jung-gu		
City:	Seoul		
State/Country:	KOREA, REPUBLIC OF		
Postal Code:	100-230		

### PROPERTY NUMBERS Total: 1

Property Typ	e	Number
Application Number:		13669343

### **CORRESPONDENCE DATA**

**Fax Number**: 2022204201

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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**PATENT** 

REEL: 029243 FRAME: 0433

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ATTORNEY DOCKET NUMBER:	1942-78
NAME OF SUBMITTER:	Irma Scheugenpflug
Total Attachments: 4 source=1942-78_Assignment#page1.tif source=1942-78_Assignment#page2.tif source=1942-78_Assignment#page3.tif source=1942-78_Assignment#page4.tif	

## ASSIGNMENT

## WHEREAS, we

- i) Sang Kyu CHOI residing at 410-606, Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-792, Korea;
- ii) Sang Hyo RYU residing at 301 Haneul Villa, 161-6, Sinseong-dong, Yuseong-gu, Daejeon 305-805, Korea;
- iii) Ho Soo HWANG residing at 532-1604 Sinnamoosil Shinan Apt., 963-2, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-470, Korea;
- iv) Chung Heon JEONG residing at 505-802, Songlimmaeul 5, Hagi-dong, Yuseong-gu, Daejeon 305-759, Korea;
- v) Dong Hoon OH residing at 111-710, Damoa Apt., Wolpyung3-dong, Seo-gu, Daejeon 302-749, Korea;
- vi) Yeon Ja LEE residing at 105-405, Samsunghanwool Apt., Sinseong-dong, Yuseong-gu, Daejeon 305-707, Korea;
- vii) Youngchan JANG residing at 105-906 Cheonggu Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-792, Korea;

all of citizens of Republic of Korea, respectively, (hereinafter referred to as "the Assignors"); have invented new and useful improvements in <u>Catalyst composition for the synthesis of multi-walled carbon nanotubes</u> 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 Signature Tower, 100 Cheonggyecheon-no, Jung-gu, Seoul 100-230, 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 hereu	into set my hand and seal this		
19th day of October, 2012.	5 i i 0		
	一 2 公子		
	Name: Sang Kyu CHOI		
IN TESTIMONY WHEREOF, I have hereu	unto set my hand and seal this		
19th day of October, 2012.	Name: Sang Hyo RYU		
	Name: Sang Hyo RYU		
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this			
144 day of Ochber, 2012.	动之个		
	Name: Ho Soo HWANG		
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this day of Oction, 2012.			
, 2012.	C.H. Jeong		
	Name: Chung Heon JEONG		
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this			
	283		
	Name: Dong Hoon OH		

IN TESTIMONY WHEREOF, I have	hereunto set my hand and seal this
1914 day of October, 2012.	DOD OF
	Name: Yeon Ja LEE
IN TESTIMONY WHEREOF, I have day of October, 2012.	hereunto set my hand and seal this
	Name: Youngchar IANG

WITNESSED BY:

이유정

Name: Soo Jin LEE

100 Cheonggyecheon-no, Jung-gu, Seoul 100-230, Korea

WITNESSED BY:

Name: Soo Min PAEK

100 Cheonggyecheon-no, Jung-gu, Seoul 100-230, Korea

PATENT REEL: 029243 FRAME: 0438

**RECORDED: 11/05/2012**