501910074 05/04/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Suguru NODA	03/13/2012
Dong Young KIM	03/13/2012
Toshio OSAWA	03/13/2012
Hisashi SUGIME	03/13/2012
Kei HASEGAWA	03/13/2012
Eisuke HABA	03/21/2012

RECEIVING PARTY DATA

Name:	The University of Tokyo
Street Address:	3-1, Hongo 7-chome
Internal Address:	Bunkyo-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	113-8654

Name:	HITACHI CHEMICAL COMPANY, LTD.
Street Address:	1-1, Nishi-Shinjuku 2-chome
Internal Address:	Shinjuku-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	163-0449

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13394947

CORRESPONDENCE DATA

Fax Number: (703)312-6666

REEL: 028154 FRAME: 0108

PATENT

Phone: 703-312-6600

Email: rperez@antonelli.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Address Line 1: 1300 NORTH SEVENTEENTH STREET

Address Line 2: SUITE 1800

Address Line 4: ARLINGTON, VIRGINIA 22209-3873

ATTORNEY DOCKET NUMBER: 1303.52314X00

NAME OF SUBMITTER: William I. Solomon

Total Attachments: 4

source=Assignment1#page1.tif

source=Assignment1#page2.tif

source=Assignment2#page1.tif

source=Assignment2#page2.tif

PATENT REEL: 028154 FRAME: 0109

ASSIGNMENT

Whereas, I/we, Name Address c/o The University of Tokyo, 1) Suguru NODA 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o The University of Tokyo, 2) Dong Young KIM 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o The University of Tokyo. 3) Toshio OSAWA 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o The University of Tokyo, 4) Hisashi SUGIME 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o The University of Tokyo, 5) Kei HASEGAWA 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o HITACHI CHEMICAL COMPANY, LTD., 6) Eisuke HABA Tsukuba-shi, Ibaraki 300-4247 Japan hereinafter called assignor(s), have invented certain improvements in METHOD FOR SIMULTANEOUSLY PRODUCING CARBON NANOTUBES AND HYDROGEN, AND DEVICE FOR SIMULTANEOUSLY PRODUCING CARBON NANOTUBES AND HYDROGEN and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below: March 8, 2012, Serial No. /3/394947 filed on Whereas The University of Tokyo 3-1, Hongo 7-chome. Bunkyo-ku, Tokyo 113-8654 Japan and, HITACHI CHEMICAL COMPANY, LTD. 1-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0449 Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor; NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

	INVENTORS	DATE SIGNED
1):	Suguru Noda Suguru NODA	March 13, 20/2
Name:		
2): Name: —	Hong Young Kin	March 13, 20/2
ivallic.	Dong Young KIM	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

3): Name:	Toshio OSAWA	_ March 13, 2012
4):		1.
Name:	Hisashi Sugime Hisashi SUGIME	March 13, 2012
5):	Kei Hasegawa Kei HASEGAWA	March 13 2012
Name:	Kei HASEGAWA	
6):		
Name:	Eisuke HABA	

ASSIGNMENT

Whereas, I/we, Name Address c/o The University of Tokyo, 1) Suguru NODA 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o The University of Tokyo, 2) Dong Young KIM 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan 3) Toshio OSAWA c/o The University of Tokyo, 4) Hisashi SUGIME 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o The University of Tokyo. 5) Kei HASEGAWA 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan c/o HITACHI CHEMICAL COMPANY, LTD., 6) Eisuke HABA 48, Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan hereinafter called assignor(s), have invented certain improvements in METHOD FOR SIMULTANEOUSLY PRODUCING CARBON NANOTUBES AND HYDROGEN, AND DEVICE FOR SIMULTANEOUSLY PRODUCING CARBON NANOTUBES AND HYDROGEN and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below: March 8, 2012, Serial No. __13/394947 filed on Whereas The University of Tokyo 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan and. HITACHI CHEMICAL COMPANY, LTD. 1-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0449 Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor; NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment: AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns. **INVENTORS** DATE SIGNED 1): Name: Suguru NODA

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

Dong Young KIM

2): Name:

3):		
Name:	Toshio OSAWA	
4):		
Name:	Hisashi SUGIME	
5):		
Name:	Kei HASEGAWA	
6):	Eisuke HABA	March 21, 2012
Name:	Eisuke HABA	- 47011 21)

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

REEL: 028154 FRAME: 0113