

10/13/05

10/13/05
05-16-2006

10/553196

IC09 Rec'd PCT/PTO 13 OCT 2005
Q89903

MODIFIED Form PTO-1595
(Rev. 10/02)



HEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

103238616

Please record the attached original documents or copy thereof.

To the Director of the U.S. Pat.

1. Name of conveying party(ies):

Akira HASEGAWA
Kazuyuki HIRAO

2. Name and address of receiving party(ies):

SUMITOMO CHEMICAL COMPANY, LIMITED
27-1, Shinkawa 2-Chome
Chuo-ku, Tokyo, Japan

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: August 22, 2005 and August 29, 2005

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: August 22, 2005 and August 29, 2005

A. Patent Application No.(s)
Unknown

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC
WASHINGTON OFFICE
23373
CUSTOMER NUMBER

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed.
- Authorized to be charged to Deposit Account No. 19-4880.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

8. Deposit Account Number:

19-4880

(Attach duplicate copy of this page if paying by deposit account)

10/27/2005 MKAYPAGH 00000047 10553196

06 F :8021

(40.00 DP)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael R. Dzwonczyk
Michael R. Dzwonczyk

Reg. No. 36,787

October 13, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

MAIL STOP ASSIGNMENT RECORDATION SERVICES

Director of the U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

Assignment

Whereas, I/We, Akira HASEGAWA and Kazuyuki HIRAO of 2-40-1, Kasuga, Tsukuba-shi, Ibaraki, JAPAN and 8-94, Tanakashimoyanagi-cho, Sakyo-ku, Kyoto-shi, Kyoto, JAPAN hereinafter called assignor(s), have invented certain improvements in

TITANIA NANOTUBE

and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas,

Sumitomo Chemical Company, Limited of

27-1, Shinkawa 2-Chome, Chuo-ku, Tokyo, 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, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed on _____) the filing date and application number of said application when known.

Date: August 22, 2005 Akira Hasegawa
s/

Date: August 29, 2005 Kazuyuki Hira
s/

Date: _____
s/

Date: _____
s/

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