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Attorney Docket No. 131506

Please record the attached original document or copy thereof.

1. A. Name of conveying parties:

[1] Yusuke TAKI  
[2] Kiyoaki SHINOHARA

B. Additional name(s) of conveying party(ies) attached?  
☐ Yes ☒ No

2. A. Name and address of receiving party:

NIKON CORPORATION  
2-3, MARUNOUCHI 3-CHOME,  
CHIYODA-KU, TOKYO 100-8331 JAPAN

B. Additional name(s) & address(es) attached?  
☐ Yes ☒ No

3. A. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

B. Execution Date: [All] March 6, 2007

4. ☒ This document is being filed together with a new application.

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) 11/663176

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: CARBON NANOTUBE ASSEMBLY AND MANUFACTURING METHOD  
THEREOF

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

Name: Mario A. Costantino

JBALINAN 00000073 11663176

( 40.00 DP )

Address: OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, VA 22320

6. Total number of applications and patents involved: 1

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

B. Enclosed (Check No. 190651 )

8. Credit any overpayment or charge any underpayment to  
deposit account number 15-0461.

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.

Mario A. Costantino, Registration No. 33,565  
John S. Kern, Registration No. 42,719

Date: March 19, 2007

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

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06 FC:8021

(1-8) Insert Name(s) of Inventor(s)

(1) Yusuke TAKI (5) \_\_\_\_\_  
 (2) Kiyooki SHINOHARA (6) \_\_\_\_\_  
 (3) \_\_\_\_\_ (7) \_\_\_\_\_  
 (4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) Nikon Corporation  
 (10) Insert Address of Assignee (10) 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-8331 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) CARBON NANOTUBE ASSEMBLY AND MANUFACTURING METHOD THEREOF

(Attorney Docket No. 131506)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application (12) \_\_\_\_\_ on \_\_\_\_\_

(13) Alternative Identification for filed applications (13) U.S. application Serial Number \_\_\_\_\_  
 filed March 19, 2007

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date March 6, 2007 Inventor Signature Yusuke Taki (SEAL)  
Yusuke TAKI

Date March 6, 2007 Inventor Signature Kiyooki Shinohara (SEAL)  
Kiyooki SHINOHARA

Date \_\_\_\_\_ Inventor Signature \_\_\_\_\_ (SEAL)

Date \_\_\_\_\_ Inventor Signature \_\_\_\_\_ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date March 7, 2007 Witness Satomi Yoshida  
 Date March 7, 2007 Witness \_\_\_\_\_

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/021071

## A. CLASSIFICATION OF SUBJECT MATTER

C01B31/02(2006.01), H01J9/02(2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C01B31/02(2006.01), H01J9/02(2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2006
Kokai Jitsuyo Shinan Koho	1971-2006	Toroku Jitsuyo Shinan Koho	1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2004-182581 A (Seika Daigaku), 02 July, 2004 (02.07.04), Claims; Par. Nos. [0003], [0009], [0013], [0016] to [0020]; Figs. 1 to 4 & US 2004105807 A1 & CN 1504407 A	1-23
X A	JP 2004-74062 A (Uchiya Thermostat Kabushiki Kaisha), 11 March, 2004 (11.03.04), Claims; Par. Nos. [0009] to [0021]; Figs. 1 to 4 (Family: none)	1-22 23

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

" " document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

(the actual completion of the international search  
7 February, 2006 (20.02.06))

Date of mailing of the international search report  
28 February, 2006 (28.02.06)

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nese Patent Office

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Telephone No.

210 (second sheet) (April 2005)

PATENT

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REEL: 019083 FRAME: 0497