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Attny. Docket No. CAS3-PT016

Express Mail Label No. EV441647055US

Form PTO-1595 (Rev. 10/02)	RECOR	04-12-2005	I.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
OMB No. 0651-0027 (exp. 6/30/2005)	Tab settings ⇌ ⇌ ⇌ ▼ ▼		▼ ▼
To the Honorable Commissioner of Patent.		102978345	al documents or copy thereof.
1. Name of conveying party(ies): KANG, HYOUNG DONG	2. Name and address of receiving party(ies) Name: SAMSUNG ELECTRO-MECHANICS CO., LTD. Internal Address: _____ Street Address: 314 MAETAN-3-DONG, YOUNGTONG-KU City: SUWON, KYUNGKI-DO State: _____ Zip: _____ Country: REPUBLIC OF KOREA		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	Execution Date: 03/18/2005		
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: 03/18/2005 A. Patent Application No.(s) _____ B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: ROBERT J. BALLARINI Internal Address: VOLPE AND KOENIG, P.C. UNITED PLAZA, SUITE 1600 Street Address: 30 SOUTH 17TH STREET City: PHILADELPHIA State: PA Zip: 19103	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 22-0493 Volpe and Koenig, P.C. (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE			
9. Statement and signature. <i>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.</i> Robert J. Ballarini _____ Name of Person Signing Signature Date 3/29/05			
Reg. No. 48,684	Total number of pages including cover sheet, attachments, and documents: 3		Sheet 1 of 1

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(Handwritten signature)

Robert Ballarini

3/29/05

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

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PATENT
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ASSIGNMENT

KANG, Hyoung Dong, residing at 631-1501 Sinmyoung Apt., Youngtong-dong, Youngtong-ku, Suwon, Kyungki-do, Republic of Korea, a citizen of Republic of Korea (hereafter the undersigned); is the inventor of

**METHOD OF MANUFACTURING FIELD EMITTER ELECTRODE
USING SELF-ASSEMBLING CARBON NANOTUBES AND
FIELD EMITTER ELECTRODE MANUFACTURED THEREFBY**

for which the undersigned executed an application for United States Letters Patent, U.S. Patent Application No. _____, filed _____, 200__.

The undersigned hereby authorizes assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

SAMSUNG ELECTRO-MECHANICS CO., LTD., a company, having a principal place of business at 314 Maetan-3-dong, Youngtong-ku, Suwon, Kyungki-do, Republic of Korea (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice

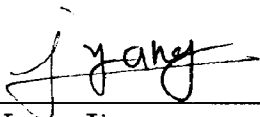
of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrants that the rights and property herein conveyed are free and clear of any encumbrance.

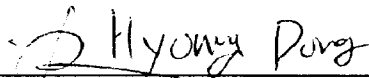
EXECUTED under seal on this 18th day of March, 2005

at Suwon, Kyungki-do, Republic of Korea.
(Place)

Witness:



JEON, Yang Jin



KANG, Hyoung Dong