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12-11-2009					
To the Commissioner for Patents	Pleas 103583	297	es thereof.		
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3. Nature of Conveyance:	-				
□Assignment	□ Merger	City, State, Zip:	Seoul, Re	public of Korea	
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necordation of Document					
Execution Date	: October 20, 2008	☐ Additional r	name(s) and	address(es) attached.	
4. (A) Patent Application Number(s).		4. (B) Patent Number(	s):		
If this document is being filed togeth					
		l here Attached			
☐ Additional Numbers Attached.					
Title: BIO-SENSOR AND METHOD OF MANUFACTURING THE SAME Attorney Docket No.: HWAN3069/REF					
5. Name and Address of Party to wh Document Should be Mailed:		Total Number of Ap	plications and ents Involved:	1	
Name:	Richard E. Fichter	7. Total Fee: (37 CFR 3.41)		\$40.00	
23364	Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor Alexandria, VA 22314	⊠ Enclosed     □ Authorized to be charged to deposit account			
CUSTOMER NUMBER		8. Deposit Account No. 12/09/20		02-0200 00000010 12589692	
9. Statement and Signature:		81 FC:80	121	(48.00 BF	
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.					
Richard E. Fichter  Name of Person Sign	10000	el 2 Mch	Tex	12/07/2009 Date	
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PATENT REEL: 023640 FRAME: 0038 U.S. PTO 12/589622 09/30/2009

To the Commissioner for Patents. Please ri  1. Name of Conveying Party(ies):  Gyuweon HWANG Wook Seong LEE  1. O357964 thereof.  2. Name and Address of Receiving Party(ies): Name: KOREA INSTITUTE OF AND TECHNOLOGY					
1. Name of Conveying Party(ies):  Gyuweon HWANG  2. Name and Address of Receiving Party(ies):  Name: KOREA INSTITUTE OF					
1. Name of Conveying Party(ies):  Gyuweon HWANG  2. Name and Address of Receiving Party(ies):  Name: KOREA INSTITUTE OF					
Jeung-hyun JEONG	SCIENCE				
Jong-Keuk PARK Young Joon BAIK  Street Address: 39-1, Hawolgok 2-dong, Seongbuk-gu	·				
3. Nature of Conveyance:					
☑Assignment ☐ Merger ☐ City, State, Zip: Seoul, Republic of Korea ☐ Security Agreement ☐ Change of Name ☐ Other:	<b>a</b>				
Execution Date: October 20, 2008	ttached.				
4. (A) Patent Application Number(s):  4. (B) Patent Number(s):					
If this document is being filed together with a new application, the execution date of the application is:  October 20, 2008					
□ Additional Numbers Attached.					
Title: BIO-SENSOR AND METHOD OF MANUFACTURING THE SAME					
Attorney Docket No.: HWAN3069/EM					
5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  Total Number of Applications and Patents Involved: 1					
Name: Eugene Mar 7. Total Fee: (37 CFR 3.41) \$40.00					
Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor Alexandria, VA 22314  © Enclosed Authorized to be charged to deposit account					
CUSTOMER NUMBER  8. Deposit Account Number: 02-0200					
9. Statement and Signature:					
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.					
Richard E. Fichter, Reg. No. 26,382  Name of Person Signing  Signature  Da					
Name of Person Signing Signature Date					
Total number of pages including cover sheet, attachments and document. 3 .  EM/bh					

**PATENT** 

REEL: 023640 FRAME: 0039

## ASSIGNMENT

WHEREAS, I (we) Gyuweon HWANG, Wook Seong LEE, Jeung-hyun JEONG, Jong-Keuk PARK and Young Joon BAIK whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, Is(are) the owner of certain new and useful improvements in BIO-SENSOR AND METHOD OF MANUFACTURING THE SAME (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

[x]		executed on even date herewith		
Į	)	executed on:		
I	3	filed on:	Serial No.:	
Į	}	established by PCT International Patent Application No.:		filed
		designating the United States of America		

## WHEREAS, KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY

whose post office address is 39-1, Hawolgok 2-dong, Seongbuk-gu, Seoul, Republic of Korea hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the united States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filling, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

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## **ASSIGNMENT**

Page \_2\_

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Date 20. out, 200 >	Signature MM/M
Witness (optional)	Witness (option(t)
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Signature	Signature

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**RECORDED: 12/07/2009**