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B/O FORM PTO U.S. Department of Commerce 11-18-2008 Patent and Trademark Office m Cover Sheet ONLY To the Honorabl rks. Please record the attached original documents 103535312 or copy thereof. 2. Name and Address of Receiving 1. Name of Conveying Party: Party(ies): 1. David G. CHURCHILL (A) Name: 2. Shin Hei CHOI KOREA ADVANCED INSTITUTE OF SCIENCE AND Kibong KIM TECHNOLOGY 3. Nature of Conveyance Street Address: X Assignment 373-1, Gusung-dong, Yuseong-ku Merger Security Agreement City, State, Zip: Change of Name Daejeon, REPUBLIC OF KOREA, 305-701 Other: Execution Date: 1. October 28, 2008 2. October 28, 2008 3. October 28, 2008 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: 1. October 28, 2008 2. October 28, 2008 3. October 28, 2008 5. Name and Address of Party to whom 6. Total Number of Applications and Correspondence Concerning this Patents Involved: Document Should be Mailed: 7. Total Fee: (37 CFR 3.41) \$ 40.00 X Enclosed. Gary M. Nath Name: Authorized to be charged to deposit Address: THE NATH LAW GROUP account any deficiency or credit any 112 South West Street excess. Alexandria, VA 22314 8. Deposit Account Number: 14-0112 ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT DO NOT USE THIS SPACE 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. Name of Person Signing: cary M. Nath, Reg. No. 26,965

Ranya E. Harkins, Reg. No. 52,993

Customer No. 20529

Attorney Docket: 29761U GMN/TEH/mmd

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PATENT REEL: 021860 FRAME: 0746

PATENT

Attorney Docket No.: 29761U

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION given to David G. CHURCHILL, Shin Hei CHOI and Kibong KIM hereinafter referred to who has/have invented certain new and useful BORON-DIPYRRIN COMPOUNDS COMPRISING THIENYL GROUPS, PREPARATION METHOD THEREOF AND CHEMOSENSOR COMPRISING THE SAME, hereinafter referred to as the invention, for which I/we has/have executed an application for Letters Patent to be filed in the United States Patent and Trademark Office.

WHEREAS, KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, a Corporation organized and existing under the laws of the country/state of Republic of Korea, whose post address/business address is 373-1, Gusung-dong, Yuseong-ku, Daejeon, 305-701, Republic of Korea, hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, WITNESSETH THIS that for and in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, receipt, adequacy and sufficiency of which are hereby acknowledged, said ASSIGNOR(S) hereby assign(s), sell(s) transfer(s) to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as said ASSIGNOR(S) might or could have held and enjoyed the same had this assignment not been made. Page Two of Two

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ASSIGNMENT

ALSO, said ASSIGNOR(S) hereby agree(s) to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon.

AND said ASSIGNOR(S) authorize(s) and request(s) the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

By:	Daniel D. Churchell	Oct. of Just
_,	Inventor's Name: David G. CHURCHILL (first or first inventor)	Date
ву:	321-05	Oct. of one
	Inventor's Name: Shin Hei CHOI (second inventor)	Date
By:	makes	Oct. of Sof

Inventor's Name: Ki bong KIM Date (third inventor) Kibng KIM

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RECORDED: 11/05/2008