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03-09-2009

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

HEET

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To the Director of the U.S. Patent and Trademark Office: Pieas	ched documents or the new address(es) below.
1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
YOUNG-SUN PARK (01/19/2008),	
MYOUNG-HUN LEE (01/19/2008),	
PIL-KYU PARK (01/19/2008), AND	
EUN-JU KANG (01/19/2008)	Name: LG CHEM, LTD.
	Internal Address:
Execution Date(s): in parentheses after inventor name	Street Address:
Additional name(s) of conveying party(ies) attached? Yes X No	LG TWIN TOWERS
3. Nature of Conveyance:	20, YEOUIDO-DONG
x Assignment Merger	YEONGDEUNGPO-GU
Security Agreement Change of Name	City: SEOUL
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip: 150-721
Other	Additional name(s) & address(es) Yes X No attached:
4. Application or patent number(s):	his document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
This application	
Additional numbers attached?	Yes X No
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Kelly Y. Hwang	
LERNER, DÁVID, LITTENBERG,	}
KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: LGCHEM 3.3-079	Authorized to be observed by gradit and
Internal Address. Atty. Drt.: LGOREW 3,3-079	Authorized to be charged by credit card
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account
	Enclosed
	None required (government interest not affecting title)
City: Westfield	8. Payment Information
State: NJ Zip: 07090	a. Credit Card Last 4 Numbers
Phone Number: (908) 518-6320	Expiration Date
Fax Number: (908) 654-0415	b. Deposit Account Number 12-1095
Email Address: khwang@ldlkm.com	Authorized User Name Kelly Y. Hwang
9. Signature:	63/86/2009 DBYRNE 00000012 121093 1231460
WHIT TO TANK	61 FC:8821 Febbruan 0.25, 2009
Signature	Date
Kelly Y. Hwang - 51,831	Total number of pages including cover 5
Name of Person Signing	sheet, attachments, and documents:

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	former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION		
Whereas, I, PARK, Young-Sun	of	
410-504, Expo Apartment, Jeonmin-dong, Yuseong-c	u, Daeieon 305-762, Republic of Korea	
hereafter referred to as assignor, have with others invented certain new and useful improvements in STRUCTURE FOR ELECTROCHEMICAL DEVICE TO IMPROVE SAFETY AND ELECTROCHEMICAL DEVICE COMPRISING THE SAME		
for which an application for a United States Letters Patent was filed on		
Application Number for which an application for a United States Letters Pate	nt was executed by me on	
x for which an International Application was filed on	1	
PCT/KR2007/004058 , designating the United		
And	d States.	
Whereas, LG Chem, Ltd.		
a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Republic of Korea		
is desirous of acquiring the entire right, title and interest in the s	ame;	
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses in		
And I do hereby authorize my attorneys to insert on this deed the when known.		
2008.1.19	palke	
Date /	PARK, Young-Sun	
Witness		
To, Kyong - Now Typed Name of Witness		
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*Total of

forms are submitted.

PATENT

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION Whereas, I, LEE, Myoung-Hun 2nd Floor, 209-21, Sangdo-dong, Dongjak-gu, Seoul 156-030, Republic of Korea hereafter referred to as assignor, have with others invented certain new and useful improvements in STRUCTURE FOR ELECTROCHEMICAL DEVICE TO IMPROVE SAFETY AND **ELECTROCHEMICAL DEVICE COMPRISING THE SAME** for which an application for a United States Letters Patent was filed on Application Number for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on August 24, 2007 , as PCT/KR2007/004058 , designating the United States. And Whereas, LG Chem, Ltd. a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Republic of Korea is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be bome and paid by said assignee. And I do hereby authorize my attorneys to Insert on this deed the filling date and application number of said application when known. LEE, Myoung-Hun Jo, kyorg - Naw Typed Name of Witness

*Total of x forms are submitted.

PATENT

	former PTO/SB/15 (8-00) Modified LDLK&M		
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)		
AGGIGNMENT OF GILLIT AFTEGATION			
Whereas, I, PARK, Pil-Kyu	of		
135-11, Sansung-dong, Chung-qu, Daejeon 301-211, Republic of Korea			
hereafter referred to as assignor, have with others invented certain new and useful improvements in STRUCTURE FOR ELECTROCHEMICAL DEVICE TO IMPROVE SAFETY AND ELECTROCHEMICAL DEVICE COMPRISING THE SAME			
for which an application for a United States Letters Patent was filed on			
Application Number	 		
for which an application for a United States Letters Patent was executed by me on			
x for which an International Application was filed on	August 24, 2007 , as		
PCT/KR2007/004058 , designating the United	States.		
And			
Whereas, LG Chem, Ltd.			
a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Republic of Korea			
is desirous of acquiring the entire right, title and interest in the sa	ame;		
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past Infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses In			
And I do hereby authorize my attomeys to insert on this deed the when known.	e filing date and application number of said application		
<u>२०•</u> ₽. / . 19	ps/>		
Date	PARK PILKyu		
	/		
Witness			
Jo, Kyong - Now			
Typed Name of Witness	•		

*Total of

forms are submitted.

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PATENT

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION Whereas, I, KANG, Eun-Ju LG Chem Research Park Patent Management Team, 104-1, Munji-dong, Yuseong-gu, Daejeon 305-380, Republic of Korea hereafter referred to as assignor, have with others invented certain new and useful improvements in STRUCTURE FOR ELECTROCHEMICAL DEVICE TO IMPROVE SAFETY AND **ELECTROCHEMICAL DEVICE COMPRISING THE SAME** for which an application for a United States Letters Patent was filed on Application Number for which an application for a United States Letters Patent was executed by me on for which an International Application was filed on August 24, 2007 _ , as PCT/KR2007/004058 , designating the United States. Whereas. LG Chem, Ltd. a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Republic of Korea is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. KANG, Eun-Ju Jo, kyong-Nam Typed Name of Witness

forms are submitted.

*Total of

RECORDED: 02/25/2009

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