PTO-1595 (Rev. 07/04)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
No. 0651-0027 (exp. 6/30/2005) RECORDATION FOR	
PATENTS	ONLY
	proof the attached documents or the new address(es) below.
the Director of the U.S. Patent and Trademark Office: Please	Name and address of receiving party(les)
Name of conveying party(les)/Execution Date(s): I HEON RYU (01/05/2009), JEONG HEE HOI (01/05/2009), KWANGHO YOO 01/05/2009), AND YOUNGJOON SHIN 01/05/2009)	Name: LG CHEM, LTD.
in parentheses after inventor name dditional name(s) of conveying party(ies) attached? Yes X No Nature of Conveyance: X Assignment Merger Security Agreement Change of Name Government Interest Assignment Executive Order 9424, Confirmatory License Other	Street Address: LG TWIN TOWERS 20, YEOUIDO-DONG YEONGDEUNGPO-GU City:SEOUL State: Country: Republic of Korea Zip: 150-721 Additional name(s) & address(es) Yes X No attached:
4. Application or patent number(s): A. Patent Application No.(s) 12/309,506 Additional numbers attache	This document is being filed together with a new application. B. Patent No.(s) Output Description:
Additional numbers attached. Additional numbers attached processing document should be malled:	6. Fotal number of applications and patents involved:
Name: Kelly Y. Hwang LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address; Atty. Dkt.: LCHEM 3.3-060	Authorized to be charged by credit card
Street Address: 600 South Avenue West	Authorized to be charged to deposit account Enclosed None required (government interest not affecting little)
City: Westfield State: NJ Zip: 07090 Phone Number: (908) 518-6320 Fax Number: (908) 654-0415 Email Address: khwang@ldlkm.com	B. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name Kelly Y. Hwang
9. Signature: Signature	June 24, 2009 Date
Kelly Y. Hwang - 51,831 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

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PATENT REEL: 022872 FRAME: 0252 2009-JUN-23 17:32 From:COMET PATENT OFFICE 02 555 2598

To:19086547866

P.7/10

	former PTO/RR/18 (8-00) ModRad LOI HAM		
ACCIONATIVE OF LITTLETY APPLICATION	Docket Number (Optionsi)		
ASSIGNMENT OF UTILITY APPLICATION	LGCHEM 3.3-		
Whereas, I, JI Hean Ryu	of		
450-15, Beon 1-dong, Gandbuk-gu, Secul; : REPUBLIC			
hereafter referred to as essigner, have with others invented certain new and useful improvements in ELECTRODE ASSEMBLY HAVING STABLE LEAD-TAP JOINT AND ELECTROCHEMICAL CELL CONTAINING THEM			
for which an application for a United States Letters Patent was filed on			
Application Number for which an application for a United Sistes Letters Patent was executed by me on			
for which an international Application was filed on	****		
PCT/KR2007/003435 , designating the United	States.		
And			
whereas, LG CHEM, LTD, a corporation of Koros, Republic of herein referred to se faseign	nee" whose mailing address is		
LG Twin Towers; 20, Yeouldo-dong; Yeongdeungpo-gu; Sa	oul REPUBLIC OF KOREA 150-721		
is desirous of acquiring the entire right, title and interest in the sa	вте;		
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), the receipt whereof is admowledged, and other good and valuable consideration, I as assignor hereby self, assign and set over to said assignae my entire right, title and interest for the United States of America and all other countries in and set of a said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or relatus 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 accessors, assigns and legal representatives, and including the right to daim such priority or benefit and the Commissioner of Patents and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and said representatives, treits and assignee of the entire interest therein; and the undersigned for me and my legal representatives, treits and assignee to hereby agree and coverant without further remuneration, to execute and deliver all original, divisional, continuation, release and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to taid 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, makes all rightful oaths, and to do generally everything necessary to eid assignee, its auccessors, assigns and nominees to obtain patent protection for said improvements in all count			
when known.	2 21 W _		
<u>Jan, 5th, 109</u>	11 7		
Oate	Ji Hean Ryu		
Witness			
Joy Tal KIM			
Typed Naffie of Witness			
x Total of 4 forms are aubmitted.			

Assignment(F2007-0174US) DOC

LD-515\

REEL: 022872 FRAME: 0253

	Dooket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	LGCHEM 3.3-		
Whereas, I,Jeong Hee Choi	of		
102-103, Daewoo Apt., 1170-2, Daeveon 4-dong, Nam-	υ. Busan: : REPUBLIC OF KOREA 608-		
<u>794</u>			
hereafter referred to as assignor, have with others invented certain new and useful improvements in ELECTRODE ASSEMBLY HAVING STABLE LEAD-TAP JOINT AND ELECTROCHEMICAL CELL CONTAINING THEM			
for which an application for a United States Letters Patent was filed on			
Application Number			
for which an application for a United States Letters Paten	t was executed by the on		
x for which an international Application was filed on	July 14, 2007 as		
PCT/KR2007/003435 , dealigneting the United And	States.		
Whereas, LG CHEM, LTD.			
a corporation of <u>Korea. Republic of</u> herein referred to as "assign LG Twin Yowers; 20, Yaouldo-dong; Yeongdeungpo-gu; Sec	se' whose mailing address is		
is desirous of acquiring the entire right, title and interest in the sa			
NOW, THEREFORE, in consideration of the sum			
And I do hereby authorize my attorneys to insert on this deed the when known.	flung date and application number of early application		
2009. 15	<i>V</i>		
			
Oato	Jeofig Hee Chal		
and the second s			
Witness			
Your Tal EIM			
Typed Name of Witness			
<u> </u>	<u> </u>		
x *Total of 4 forms are submitted.			

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)		
	LGCHEM 3.3-		
Whereas, I, Kwangho Yoo of			
203-1504, Songgangmaeul 2-danii Apt., Songgang-dong, Yuseong-qu, Daeleon; : REPUBLIC OF KOREA 305-763			
hereafter referred to de assignor, have with others invented certa ELECTRODE ASSEMBLY HAVING STABLE LEAD-T, CELL CONTAINING THEM	ain now and useful improvements in AP JOINT AND ELECTROCHEMICAL		
for which an application for a United States Letters Pate	·		
Application Number			
for which an application for a United States Latters Patent was executed by me on			
for which an International Application was filed on	July 14, 2007 , as		
PCT/KR2007/003435 , designating the United States.			
Whereas, LG CHEM, LTD.			
a corporation of Korea, Republic of herein referred to as "assigne	es' whose mailing address is		
LG Twin Towers; 20, Ysouldo-dong; Yeongdeungpo-gu; Seo			
is desirous of acquiring the entire right, title and interest in the sor	те;		
is acknowledged, and other good and valuable consideration, assigned my entire right, title and interest for the United States invention and the aforesald utility patent application and all or applications and patents applied for or granted therefor in the Label Invention, including without limitation all applications and patents application pursuant to any law or treaty, and the aforesald utility application pursuant to any law or treaty, and including the right to claim such prior infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all patents asid assigned herein, as assigned of the entire interest the representatives, heira and assigned of the entire interest the representatives, heira and assigned of the entire interest the representatives, heira and assigned or its assigns, to community assignments thereof to said assigned or its assigns, to community to the undersigned respecting said improvements, whence legal proceedings in which any of said applications or patents may rightful oatent protection for said improvements in all countries, the and paid by said assigned. And I do hereby authorize my attorneys to insert on this deed the I	s of America and all other countries in and to eald iginal, divisional, continuation, substitute or release Inited States of America and all other countries, for the state of said invention claiming priority or benefit of including all claims for damages by reason of past own use and the use of its auccessors, assigns and fity or benefit and the Commissioner of Patents and ents on eald improvements or requiring therefrom to brein; and the undersigned for me and my legal without further remuneration, to execute and deliver he for Letters Patent on said improvements and all cate to said assignee or its representatives all facts are requested, to testify in any interferences or other a become involved, to sign all lawful papers, make all assignee, its auccessors, assigns and nominees to a expenses incident to eald applications to be borne.		
when known.	nung date and application number of tale application		
Z009. 01 05	0 th 3		
2207. 9.03			
Date -	Kwangho Yoo		
Witness			
Typed Name of Witness			
x Total of 4 forms are submitted.			

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*Total of

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forms are submitted.

2009-JUN-23 17:32 From:COMET PATENT OFFICE 02 555 2596 To:19086547866

P.10/10

LD 313\	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LGCHEM 3.3-	
Whereas, I, Youngloon Shin	of	
105-904, Expe Apt., Jeonmin-dong, Yuseong-au, Daele		
hereafter referred to se sessioner, have with others invented corn ELECTRODE ASSEMBLY HAVING STABLE LEAD-T CELL CONTAINING THEM	ain new and useful improvements in	
for which an application for a United States Letters Patent was filled on		
Application Number		
for which an application for a United States Letters Pater	· · · · · · · · · · · · · · · · · · ·	
x for which an International Application was filed on	July 14, 2007 , as	
PCT/KR2007/003435 , designating the United	l States.	
Whereas, LG CHEM, LTD.		
a corporation of Korea, Republic of herein referred to as family	neo" whose mailing address is	
LG Twin Towers; 20, Yeouldo-dong; Yeongdeungpo-gu; Se	oul: REPUBLIC OF KOREA 150-721	
is desirous of acquiring the entire right, title and interest in the as	ime;	
is acknowledged, and other good and valuable consideration, it essignes my entire right, title and interest for the United State Invention and the aforesaid utility patent application and all of applications and patents applied for or granted therefor in the said invention, including without limitation all applications and patents applied for or granted therefor in the said aforesaid utility application pursuant to any law or treaty an infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such price as assigned of the entire interest to representatives, heirs and assigned of the entire interest to representatives, heirs and assigned on hereby agree and covened it original, divisional, continuation, reliague and other applications assignments thereof to said assigned or its assigns, to communication to the undersigned respecting said improvements, where legal proceedings in which any of said applications or patents may rightful oaths, and to do generally everything necessary to all obtain patent protection for said improvements in all countries, the and paid by said assigned.	es of America and all other countries in and to said original, divisional, continuation, substitute or released United States of America and all other countries, for stents for eald invention claiming priority or benefit of ind including all claims for damages by reason of past a own use and the use of its successors, assigns and ority or banefit and the Commissioner of Patants and stents on said improvements or resulting therefrom to herein; and the undersigned for me and my legal int without further remunaration, to execute and deliver one for Letters Patant on said improvements and all inicate to said sasignes or its representatives all facts over requested, to testify in any interferences or other sy become involved, to sign all lawful papers, make all assignes, its successors, assigns and numinees to the expenses incident to said applications to be borne	
And I do hereby authorize my attorneys to insert on this deed the when known.	s filing date and application number of said application	
Janey 5 7009	1.100/2	
Date	Youngloon Shin	
/		
Although		
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Typed Name of Witness		

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