orm PTO-1595 (Rev. 09/ 04) MB No. 0651-0027 (exp. 6/50/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
RECORDATION FOR		
PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.	
Name of conveying party(les)/Execution Date(s):	2. Name and address of receiving party(les)	
WOOYONG LEE (04/13/2009), BYUNGJIN CHOI (07/14/2009), HYANG MOK LEE (07/19/2009), CHANG BUM AHN (07/17/2009), AND	Name: LG CHEM, LTD.	
Execution Date(s): In parentheses after inventor name Additional name(s) of conveying party(ies) attached? X Yes No 3. Nature of Conveyance: X Assignment Merger	Street Address: LG TWIN TOWERS 20, YEOUIDO-DONG 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:	
12/310,342 Additional numbers attached	? Yes X No	
5. Name and address to whom correspondence concerning document should be malled:	6. Total 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.: LGCHEM 3.3-075	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 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 Authorized User Name Kelly Y. Hwang	
Email Address khwang@ldlkm.com		
9. Signature:	September 2, 2009	
Kelly Y. Hwang - 51,831	Total number of pages including cover 7	
Name of Person Signing	sheet, attachments, and documents:	

PATENT REEL: 023171 FRAME: 0171

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Form PTO-1595	RECORDA	ATION FORM COVER SHEET (continued)	
Additional Convey	ving Party(ies)/Execu	ition Date(s) (1. Continued):	
Jun Hwan Jaug (08/	28/2009)		
Additional Assign	ees (2. Continued):		
Assignee Name:	<u> </u>		
Internal Address: Street Address:			
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Assignee Name:			
Internal Address:			
Şireet Address:			
City:	Statė:	Country:	Zip:
Assignee Name:	_		
Internal Address			
Street Address:			
City:	State:	Country:	Zip:
Additional Applic	ations and/or Patent	s (4. Continued):	
Additional Patent Applica		Additional Patent Numbers	
4A. Continued:		4B. Continued:	
	Additional numbers	s attached? Yes No	

Docket No.: LGCHEM 3.3-075

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former PTQLSB/15 (6-00) ModRed LDLK		
	Dockel Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LGCHEM 3.3-075	
)o	
Whereas, I, Wooyong Lee 306, Yeongwooville, 724-13; Yangcheong-rl, Ochang-m	venn: Checnawan-aun; Chungcheongbuk-	
do: REPUBLIC OF KOREA 363-883		
hereafter referred to as assignor, have with others invented cert POUCH-TYPED SECONDARY BATTERY WITH IMP MANUFACTURING PROCESS PROPERTY	ROVED SAFETT AND EXCELLENT	
x for which an application for a United States Letters Par	ent was filed on February 19, 2009	
Application Number UNKNOWN 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	August 20, 2007 , as	
PC1/KR2007/003954 , designating the United	d States.	
And Whereas, <u>LG Chern, Ltd.</u>	<u> </u>	
	nee' whose mailing address is	
LG Twin Towers: 20, Yeguido-dong; Yeongdeungpo-gu; St	oul; REPUBLIC OF KOREA 150-721	
is destrous of acquiring the entire right, title and interest in the s	BM e ;	
is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Stalinvention and the aforesald utility patent application and all applications and patents applied for or granted therefor in the seld invention, including without limitation all applications and the aforesaid utility application pursuant to any law or treaty, a limingement with the right to sue for and collect the same for I legal representatives, and including the right to claim such principal representatives, and including the right to claim such principal assignee herein, as assignee of the entire interest informational, divisional, continuation, reissue and other applical assignments thereof to seld assignee or its assigne, to common to the undersigned respecting seld improvements, who legal proceedings in which any of said epplications or patents all rightful oaths, and to do generally everything necessary to obtain patent protection for said improvements in all countries, and paid by said assignee.	United States of America and all other countries, for patents for said invention claiming priority or benefit of and including all claims for damages by reason of past is own use and the use of its successors, assigns and only or benefit and the Commissioner of Patents and attents on said improvements or resulting therefrom to therein; and the undersigned for me and my legal int without further remuneration, to execute and deliver ions for Letters Patent on said improvements and all inicate to said assignee or its representatives all facts rever requested, to testify in any interferences or other may become involved, to sign all lawful papers, make sid assignee, its successors, assigns and nomines to the expenses incident to said applications to be borned	
And I do hereby authorize my attorneys to insert on this deed the when known.	e filling date and application number of said application	
April 13, 200 f	0/1/3	
/ Date /	C Wooyong Lee	
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Witness		
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Total of 5 forms are submitted.		

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	Occites Number (Optional)		
ASSIGNMENT OF LITILITY APPLICATION	LGCHEM 3.3-075		
Charles Charles	a		
Whereas, L. <u>Byungfin Chal</u> 101-504, Expo Apt: Jeonnin-dahr, Yuseona ay: Deele			
101-504, Expo Apr. Jegunia-cond. Yuseono-du; Detera	els seus mod seefal interpresents in		
hereafier referred to as similarer, have with others inverted cortain new and useful improvements in POUCH-TYPED SECONDARY BATTERY WITH IMPROVED SAFETY AND EXCELLENT MANUFACTURING PROCESS PROPERTY			
X for which on application for a United States Letters Polant was filed on February 19, 2009 Application Number UNKNOWN			
for which an application for a United States Letters Pale	nt was executed by me on		
ifor which an international Application was filed on			
PCT/KR2087/503%54 , designating the United	! States.		
Wassen J.G. Chem. Ltd.			
a compression of Kores, Republic of herein rejerred to as family	nse' whose melting address is		
LG Twin Towers: 20, Yeouldo-dong; Yeongdeungoo-gu; Se	oul; REPUBLIC OF KOREA 150-721		
is desirous of acquiring the entire right, title and interest in the st	n(T) 0 ;		
In acknowledged, and other good and valuable consideration. It as easignor hereby sell, assign and set over to cald assignes my entire right, title and interest for the United States of America and all other countries in and to cald invention and the aforesed utility patent application and all original, divisional, continuation, substitute or releases applications and patents application and patents applied for or granted therefor in the United States of America and all other countries, to patents applications and patents application of an application and patents for seld invention, including without implication and patents for seld invention claiming priority or borrell of the unforceduling with the right to state or any two or treaty, and including all delete for derivates by masson of patents and infringement with the right to claim such priority or benefit and the Commissioner of Patents and regarders are the entired the self the contribution of Patents and assignment therefore the entire and easigns of the entire therein; and the understand for me and my legal regression therein, better and easigns of hereby agrees and coverent without further remainstation, to execute and deliver applications for Letters Patent on sold improvements and all original, divisional, contribution, release and other applications for Letters Patent on sold improvements and all assignments thereof to said assignes or its regressibilities all incits in easignments thereof to asid assignes or the seld improvements, who never requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all involve pages or other applications and to do generally everything necessary to aid easignes, its successors, assigns and nominess to obtain patent protection for said improvements in all countries, the expenses incident to eatif applications to be borried and by said assignee.			
And I do hareby outhorize my attorneys to insert on this dead the when known.	, , , , , , , , , , , , , , , , , , ,		
Jul. 14, 2009	3/16/7/		
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Total of 6 forms are submitted.			

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	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	LGCHEM 3.3-075		
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Milesang I Hyang Mok Lee			
101-202, Selong Apt: Jeonmin-dong, Yuseono-gu; Deel	eon: REPUBLIC OF KOREA 305-128		
hereafter referred to as assignor, have with others inverted certain new and useful improvements in POUCH-TYPED SECONDARY BATTERY WITH IMPROVED SAFETY AND EXCELLENT MANUFACTURING PROCESS PROPERTY			
If which an application for a United States Letters Patent was filed on Application Number UNKNOWN			
for which an application for a United Status Letters Pater	nt was executed by me on		
x for which an International Application was filed on			
PCT/KR2007/003964 , designating the United	States.		
And			
Whereast, LG Chern, Ltd. a corporation of Kores, Republic of herein referred to as "easign	ven' whose mailing address is		
LG Twin Towers; 20, Yeoulde-dong; Yeongdeunggo-gu; Se	oul; REPUBLIC OF KOREA 150-721		
LG Twin Towars; 20, *accurately, title and interest in the si	ama;		
is ecknowledged, and other good and velicine consumers, it is because of America and all other countries in and to said exages my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforested utility patent application and all original, divisional, continuation, substitute or relative invention and the aforested utility patents applications and patents or America and all other countries, for spiciations and patents in applications and patents for each invention, including without limitation all applications and patents for said invention, including priority or benefit of the different with the right to sue for and called the same for its own use and the use of its successors, explores and indiggement with the right to sue for and called the same for its own use and the use of its successors, explores and legal representatives, and including the right to claim succ priority or benefit and the Commissioner of Patents and tegal representatives, and including the right to claim successors and including the right to call analysis of the undersigned for me and my legal organishments, divisional, divisional, continuation, relaxues and other applications for Letters Patent on said improvements and all acts or claim and thereof to said assignes or its assignments to the undersigned respecting said improvements, whenever requested, to testify in any interferonces or other known to the undersigned respecting said improvements, whenever requested, to testify in any interferonces or other legal proceedings in which any of said applications or patents my becomes incident to said application to be borned in gradies. And I do hereby authorize my attorney			
And I do hereby authorize my attorneys to asset on the used use when known.	(de la Charles		
July 14, 2004	Hyang Mok Lee		
Oato	Hyang Mok Lee		
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RECORDED: 09/02/2009

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ASSIGNMENT OF UTILITY APPLICATION	LGCHEM 3.3-075		
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Whereas, I, _kun Hwan Jang	of		
1-151, Checkego Apt.; Hangangno 3-cs., Yongsan-cu:	SOUR REPUBLIC OF KOREA 140-013		
POUCH-TYPED SECONDARY BATTERY WITH IMP MANUFACTURING PROCESS PROPERTY	harvatter referred to an essignor, have with others invested certain new and useful improvements in pro-investigations of the pro-investigation of		
x for which an application for a United States Letters Patent was filed on February 19, 2009 Application Number UNKNOWN			
for which an application for a United States Latiers Pate	t was executed by me on ,		
(X) for which an international Application was filed on			
_ <u>PC7/kR2007/003954</u> , designating the United	Ştales.		
Whereas, LG Chem, Ltd.			
a corporation of Korea, Republic of herein related to se "essign	nee" whose mailing address is		
LG Twin Towers; 20, Yeouido-dong; Yeongdoungpo-gu; Se is desirous of acquiring the entire right, title and interest in the se	OUR REPUBLIC OF KOREA 160-121		
if transcriptions of Sockription can extend titles' non min title and at the ex-	ourse,		
is adaptively of, and other good and ventral contract the United States of America and all other countries in and it said insertion and the adoresald utility patent epplication and all original, divisional, confinuation, substitute or relative applications and patents applications and patents for and invention and all other or America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the efforeated utility application pursuant to any law or instity, and including all chains for damages by resear of past infringement with the right to see for and collect the same for its own use and the use of its suscipations, assigns and individual representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and legal representatives is hereby authorized and requested to leaus all patents on said improvements or resulting therefrom to asid savignes herein, as easignes of the entire interest thorain; and the undersigned for me and my legal representatives, hairs and sesignes or the entire interest thorain; and the undersigned of the entire interest thorain; and the undersigned contents on, release and observe applications for Letters Patent on said improvements and all interest thereof to said sesignes or its essigns, to communicate to said sesignes or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to leadily in any interference or other legal proceedings in which any of said applications or patents may become involved, to sign all lareful papers, make all rightful ostes, and to do generally everything recessary to sid shalpes, its successors, easigns and reminess to chain patent protection for said improvements in all countries, the supersess incident to said applications to be bornelled to hard patent protection for said improvements in all countries, the supersess incident to said applications.			
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