Form PTO-1595 (Rev. 09/ 04) DMB No. 0661-0027 (exp. 6/30/2005)		U.S. DEPARTMENT OF COMM United States Patent and Trademark
		M COVER SHEET
PA	IENI	SONLY
To the Director of the U.S. Patent and Trademark O	ffice: Please	record the attached documents or the new address(es) bein
1. Name of conveying party(les)/Execution Da		2. Name and address of receiving party(les)
SEUNG-JIN YANG (07/18/2009), JEON	NG HEE	
CHOI (07/18/2009), HANHO LEE (07/18/2009), AND JI HEON RYU (07/1	9/2000	
(07/16/2009); AND 31 MEON RTO (07/1	0/2007)	Name: LG CHEM, LTD.
		Internel Address:
Execution Date(s) in parentheses after inventor nam	ńė	Street Address:
Additional name(s) of conveying party(ies) attached?	X No	LG TWIN TOWERS
3. Nature of Conveyance:		20, YEOUIDO-DONG
XAssignment Merger		YEONGDEUNGPO-GU
Security Agreement Change of N	ama	SFOLU
Government Interest Assignment	0111C	City <u>SEOUL</u>
		State:
Executive Order 9424, Confirmatory License		Country: Republic of Korea Zip: 150-721 Additional name(s) & address(es) Yes Y No
Other		attached:
4. Application or patent number(s):		This document is being filed together with a new application.
A. Patent Application No.(5)		B. Patent No.(s)
12/309,912		
Additional numbe	rs attached?	Yes X No
Name and address to whom correspondence concerning document should be mailed:		6. Total number of applications and1
Name: Kelly Y. Hwang	00	
LERNER, DÁVID, LITTENBE KRUMHOLZ & MENTLIK, L		7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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Internal Address: Alty, Dkt.: LGCHEM 3.3-067		Authorized to be charged by credit card
Street Address: 600 South Avenue West		X Authorized to be charged to deposit account
		None required (government interest not affecting
City: Westfield		8. Payment Information
	7090	a. Credit Card Last 4 Numbers
Phone Number: (908) 518-6320		Expiration Date
Tax Number: (908) 654-0415		b. Deposit Account Number 12-1095 Authorized User Name Kelly Y. Hwang
Email Address: khwang@ldlkm.cor		Autorized Oser Marile Reny F. Hwang
. Signature:		
//////		October 5, 2009
Kolk X Hwang - 51 8	24	Date Total number of pages including cover
Kelly Y. Hwang - 51,8: Name of Person Signing	21	sheet, attachments, and documents: 5

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ASSIGNMENT OF UTILITY APPLICATION	terner PTO/SBris (I-00) Modified U Docket Number (Optional)
	LGCHEM 3.3-067
Whereas, I, Soung-Jin Yang	a
303, 64. Mannyeon-dong, Seo-au; Deeleon; REPUBLIC OF	KOREA 302-814
hereafter referred to as assignor, have with others invented certain a	
POUCH-TYPE SECONDARY BATTERY HAVING AN NO	
X for which an application for a United States Letters Patent v Application Number <u>12/309,912</u>	was filed on January 30, 2009
for which an application for a United States Letters Patent w	is executed by me on ,
for which an International Application was filed on	, es
, designating the United Sta	
And	
Wheneas, <u>LG Chem, Ltd.</u> a corporation of <u>Korea. Republic of</u> herein referred to as "assignee"	
LG Twin Towers; 20, Yoouido-dong; Yeongdeungpo-gu; Seoui; I	
a desirous of ecoulring the entire right, title and interest in the same;	NEP OLEIO OF NOREA 130-121
wention and the aforesaid utility patent application and all origin pplications and patents applied for or granted therefor in the Unit aid inventon, including without limitation all applications and patent re-sforesaid utility application purevent to any law or trains, and in	America and all other countries in and to a all, divisional, continuation, substitute or reiss ad States of America and all other countries, its for said invention claiming priority or banefit for the all claims for demonstra by reason of a further all claims for demonstra by reason of a substitution all claims for demonstra by reason of a
revention and the aforeasid utility patent application and all origin applications and patents applied for or granted therefor in the Units all invention, including without limitation all applications and patent the aforeasid utility application pursuant to any law or treaty, and in- tringement with the right to sue for and collect the same for its own agal representatives, and including the right to claim such priority of rademarks is hereby authorized and requested to issue all patents ald assignée herein, as assigned of the entire interest therein apresentatives, heirs and assigns do hereby agree and covenant with it original, divisional, continuation, release and other applications if salgments thereof to each assigned or its assigne, to communicate nown to the undersigned respecting said improvements, whenever i gal proceedings in which any of said applications or patents may bit if rightful oaths, and to do generality everything necessary to aid assi- bility said assignee.	America and all other countries in and to a al, divisional, continuation, substitute or rease ad States of America and all other countries, at for said invention claiming priority or banefit cluding all claims for damages by reason of p in use and the use of its successors, assigns a or said improvements or resulting therefrom r; and the undersigned for me and my lay houl further remuneration, to associte and deli- or Letters Petent on said improvements and to cald assignee or its representatives all fa- requested, to testify in any interferences or of secome involved, to sign all tawful papers, ma- tignee, its successors, assigns and nominees upentees incident to said applications to be bor
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PATENT REEL: 023329 FRAME: 0093

	former PTCV\$B/16 (1-00) ModRed LDL
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
	LGCHEM 3.3-067
Whereas, I, Jeong Hee Chol	of
102-103, Daewoo Apt.: 1170-2, Daeveon 4-dong, Nam- 794	<u>DU; BUISAN; REPUBLIC OF KOREA 608-</u>
	da mana and a sail d'inner an de fe
hereafter referred to as assigner, have with others invented cert	• • • • • •
POUCH-TYPE SECONDARY BATTERY HAVING AN	
X for which an application for a United States Latters Pate	ent waa filed on30, 2009
Application Number 12/309,912	
for which an application for a United States Letters Pater	was executed by me on
for which an international Application was filed on	
	, as
, designating the United	States.
And	
Whereas, LG Chem, Ltd.	
a corporation of Kores, Republic of herein referred to as "assign	ee' whose mailing address is
LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Sec	· · · · · · · · · · · · · · · · · · ·
s desirous of acquiring the entire right, title and interest in the sa	
airingement with the right to sue for and collect the same for its egal representatives, and including the right to claim such prior frademarks is hereby authorized and requested to issue all part seld assigned herein, as assigned of the entire interest the apresentatives, heirs and assigned of hereby agrees and covenan- all original, divisional, continuation, relasus and other application resignments thereof to eakl assignee or its assignet, to commun- nown to the undersigned respecting said improvements, where all rightful oaths, and to do generally everything necessary to akl bisin patent protection for said improvements in all countries, th nd paid by said assignee.	ity or benefit and the Commissioner of Patents at ents on said improvements or resulting therefrom eroin; and the undersigned for me and my leg t without further remuneration, to execute and defin ns for Letters Patent on said improvements and icale to said assignee or its representatives all fac ver requested, to testify in any interferences or oth all backmes, its successors, easience and cominees.
nd i do hereby authorize my attorneys to insert on this deed the men known.	filing date and application number of said application
	il at
July 18th, 200)	ži –
 Date	Inches Mar Ob -1
Long	Jeong Hee Choi
Witness	
Tours Tas WIM	
Typed Name of Witness	
x Total of 4 forms are submitted.	

PATENT REEL: 023329 FRAME: 0094

ASSIGNMENT OF UTILITY APPLICATION LGCHEM 3.3-067 Whereas, I, Henho Lee Of 103-204, Humdel Apl, 431-6; Donoma dong, Yuseona-ai; Destaon; REPUBLIC OF KOREA 305- 340 whereatter referred to as assigner, have with others invented cartain new and useful improvements in POUCH-TYPE SECONDARY BATTERY HAVING AN NON-SEALING RESIDUE PORTION OR JOINT A application for a United State Letters Patent was filed on January 30, 2009 Application Number 12309,812 for which an application for a United State Letters Patent was filed on January 30, 2009 Application Number 12309,812 for which an application for a United State Letters Patent was filed on January 30, 2009 Application Number 12309,812 for which an international Application was filed on		komer PTO/SB/16 (6-00) Modified LOLK
A second se		Docket Number (Optional)
Instruction		LGCHEM 3.3-067
Instruction		
Parentiter referred to as assignor, have with others invented cartain new and useful improvements in POUCH-TYPE SECONDARY BATTERY HAVING AN NON-SEALING RESIDUE PORTION Application Number	103-204, Hyundai Apt., 431-6; Dorvong-dong, Yuseong-	RUT Decleon: REPUBLIC OF KOREA 305-
POUCH-TYPE SECONDARY BATTERY HAVING AN NON-SEALING RESIDUE PORTION X for which an application for a United States Latters Patent was filed on		in new and useful improvements in
Application Number 12/309,912 Application Number 12/309,912 Application Number 12/309,912 Application Application for a United States Laters Patent was executed by me on Ass And And And And And And An		
for which an application for a United States Letters Patert was executed by me on for which an International Application was filed on for which an International Application and set over in for which an other right, title and Interest in the same: for which an application of the sum of gene dollars (\$ 1.00 for an other countries for which and the application of the sum of gene dollars (\$ 1.00 for an other countries for which an internation of the sum of gene dollars (\$ 1.00 for an other countries for and the application particle therefore in the United States of America and all other countries for which an intervent of the applications and patents for walk invention claims for damages by reason of patients polications and patients myterized and requeside to a coverant without further renumeeration, to excert and deliver there are for the own use and the use of its successore, assigns a sagar approxematives, and including the right to claim such priority or benefit and the Commesioner of Patents assignee or herein, as assignee of the article intervent therein; and the undersignee for me and my be presentatives, here and assigne on the sacing such area on asald improvements to assign and nerve of assid applications or pa		nt was filed on January 30, 2009
for which an International Application was filed on		
And Whereas, LG Chern, Ltd. a corporation of Korsa, Bacublic of herein referred to ea "essignee" whose malling address is LG twin Towora: 20, Yeoudo-dong: Yeongdeurgpo-gu; Seou; REPUBLIC OF KOREA 150-721 a desirous of acquiring the entire right, title and interest in the same; XCW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt when a extraordeged, and other good and valuable consideration and set over to as issignee my entire right. Utile and interest for the United States of America and all other countries in and to a statement applications and patents applied for or granted therefor in the United States of America and all other countries, issigneent with the right to early and calcet the same for its own use and the use of its successor, assigns a gate proposatives, hold and including disting private to any level to take the stress did utility patients on a called therefor in the United States of America and all other countries, is add invention, including without initiation all applications and patients in claims growing or benefit and the successor, assigns a gate proposatives, hold and assigne of the gradinat covernative without further remumeration, to execute and my leg presentatives, hold and assigned for meaby agree and covernative without further remumeration, to execute and my leg presentatives, hold and assigned brance by authorized is a salign on the successor, assigns a signament without further, and the undersigned for meading adding a	for which an International Application was filed on	, 88
Morease, LG Chem, Ltd. a corporation of Korea. Republic of herein referred to as "assignes" whose malling address is LG Twin Towork: 20, Yeouldo-dong: Yeongdeurgpo-gu; Secut; REPUBLIC OF KOREA 150-721 a destrous of acquiring the entire right, title and interest in the same; CW, THEREFORE, in consideration of the sum of grag dollars (\$ 1.00), the receipt when a acknowledged, and other good and valuable conditiontion in assignme hereby sell, assign and set over to as issignee my entire right. Utile and interest for the United States of America and all other countries in and to as invention and the aforecald utility patient applications and patients for damage by reason of patients applied for or granted therefore in the United States of America and all other countries, issign as reprosentatives, and notucing the right to any lever to say any or travely, and inducting the disting provide or travely, and inducting the disting provide or travely, and inducting the right to ase for and collect the same for fair own use and the use of its successor, sestings as agair processitatives, here and assignee of the applications and all omprovements or resulting therefore make and all improvements or resulting therefore main coverant with the right to use for and collect the same for fair own use and the use of its successor, resoluting the right to cale for and collect the same of fair expressioned for me and my log presentatives, here and assignee of the analysis of communicates to said assignee for me and my log presentatives, here and assignee of the assignee to the assignee or its representatives and easignee thereful, continuation, reissue and other applications for Letters Pletent on and my log ingrinut, divisional, continuation, reissue and other applications for assignee or its assignes or its aspresent at weak and the successors, assign	, designating the United	States.
a corporation of <u>Korea. Republic of</u> herein referred to as "essignee' whose mailing address is <u>LG Twin Towers</u> : 20, Yeoudo-dong; Yeongdeurgpo-gr; Seou; REPUBLIC OF KOREA 150-721 a designee may entry right, title and interest in the same; XOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ 1.00) .), the receipt when a acknowledged, and others good and valuable consideration. It as escipnor hereby sell, assign and set over to as selfgnee my entry engls, title and interest for the United States of America and all other countries in and to as meention and the aforeacid utility patient application and all original, divisional, continuetion, substitute or releas add Invention, including without inniation all applications and patients for asid invention claiming priority or benefit her aforeacid utility application pursuant to any lew or treaty, and including all claims for damages by reason of pa- mingement with the right to sue for and collect the same for her own use and the use of its successor, assigns an agai representatives, bein and assignee of the entire interest therwin; and the undersigned for me and my ley presentatives, here and assignee of the entire interest therwin; and the undersigned for me and my ley argue and the set of a sationated on the applications for Letters Patent on axid improvements on the and seignments thereof to asid assignee of the entire interest therwin; and the undersigned for me and my ley presentatives, here and assignee of the applications or patients may become involved, to asen interest and assignments thereof to asid asplications or patients may become involved, to asen all defined assignees or its representations and inprovements on all rightful cettina, and to do generally everything necessary to ald assignee, its successors, assigns and right of the nerver. <u>10.9.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0</u>	And	
<u>(G Twin Towers: 20, Yeoukio-dong: Yeongdeurgpo-gu; Seoui; REPUBLIC OF KOREA 150-721</u> a desirous of acquiring the entire right, title and interest in the same; XOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (S 1.00), the receipt when a acknowledged, and other good and valuable consideration, it as assignee on the oby sell, easign and set over to as signee my entire right, title and interest for the United States of America and all other countries in and to a momention and the aforeacid utility patent applications and all original, divisional, continuetion, substitute or release upplications and patents applied for or granted therefor in the United States of America and all other countries in the directed utility application pursuant to any lew or treaty, and including all claims for damages by reason of pa- agai reprosentatives, and including the right to claim such priority or benefit and the use of its successors, assigns a rademarks is hereby authorized and requested to baue all patents on said improvements or resulting therefrom add assignee herein, as estignee of the entire interest intervent there are on as disprovements or resulting therefrom add assignees herein as estignees of the entire interest intervent there repleated in growerments or resulting therefores all it original, divisional, continuetion, release and other applications for Letters Patent on asid improvements and all growers thereof to asid assignee or its assignee, to communicate to said assignee or its representatives all for patent shereof to asid applications or patents may become involved, to sign all lawful paper, mail it original, divisional, continuetion, release or polytic time applications for Letters Patent on asid improvements and adjust contendings in which any of said applications to patents may become involved, to said an all applications to be bon in patient protection for said improvements in all countries, the expenses incident to asid applications then known. <u>10.9.0.0.0.0.0.0.0.0.0.0.0.</u>	Whereas, LG Chem, Ltd.	en' whose mailing address is
a desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), the receipt when a acknowledged, and other good and valuable consideration. It as assigner hereby sell, assign and set over to as assignee my entire right, title and interest for the United States of America and all other countries in and to as a populations and patents applied for or granted therefor in the United States of America and all other countries, in all invention, including without imitation all application and all patients for sell invention claiming priority or benefit the aforesaid utility application pursuant to any lew or treaty, and including all claims for damages by reason of pu- agia representatives, and including the right to claim such priority or benefit and the Commissioner of Patents as agai argorosentatives, helds and including the right to claim such priority or benefit and the Commissioner of Patents and assignee herein, as assignee of the entire interest therein; and the undersigned for me and my leg presentatives, helds and assigns to hereby agrees and covenant without further renumerstics, to equiling thereform assignees herein, as assignee or its assigns, to communicate to said assignee or its representatives all fac- rown to the undersigned respecting said improvements, whenever requested, to testly in any interferences or other as proceedings in which any of seld applications or patents may become involved, to sign all lawful papers, ma in highlid ostha, and to do generally everything necessary to ald assignee, its successors, assigned monowers brain patent protection for said improvements in all countries, the expenses incident to asid applications to be bon and i do hareby authorize my ettomsys to insert on this deed the filing date and application number of seld application from throws.	LG Twin Towers: 20, Yeouko-dong; Yeongdeungpo-gu; Sex	HEPUBLIC OF KOREA 150-721
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ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
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