orm PTO-1595 (Rev. 03-11)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
MB No. 0651-0027 (exp. 03/31/2012) RECORDATION FOR		
PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Please		
Name of conveying party(les):	2. Name and address of receiving party(les)	
Sung-Jong Kim (01/06/2012) and Cha-Hun Ku	Name: LG Chem, Ltd.	
(01/06/2012)	Internal Address:	
Additional name(s) of conveying party(les) attached? Yes XNo	Street Address:	
3. Nature of conveyance/Execution Date(s):	LG Twin Towers	
Execution Date(s): in parentheses after inventor name	20, Yeouldo-dong	
X Assignment Merger Change of Name	Yeongdeungpo-gu	
Security Agreement Joint Research Agreement	City: Seoul	
Government Interest Assignment	•	
Executive Order 9424, Confirmatory License	Codinity.	
Other	Additional name(s) & address(es) Yes X No attached?	
Additional numbers attached	17 Yes X No	
5. Name and address to whom correspondence concerning document should be mailed:	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 3.9-195 CON		
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account	
	Enclosed	
	None required (government interest not affecting titl	
City: Westfield	6. Payment Information	
State: NJ Zip: 07090		
Phone Number: 908-654-5000	_	
Fax Number: 908-654-7866	Deposit Account Number 12-1095	
Email Address: ataylor@ldlkm.com	Authorized User Name Kelly Y. Hwang	
9. Signature:	January 17, 2012	
Signature	Date	
Kelly Y. Hwang - 51,831	Total number of pages including cover sheet, attachments, and documents:	
Name of Person Signing	stract, attachments, and decements.	

1582483

PATENT REEL: 027557 FRAME: 0093

700478452

	Docket Number (Optional)		
ASSIGNMENT OF PATENT APPLICATION	LGCHEM		
Whereas, I, KIM, Sung-Jong	of		
309-1402, Seonbi Maeul 3 Danji Apt., Songchon-dong, Daedeok-gu, Daejeon 306-777 Republic of Korea			
hereafter referred to as assignor, have with others invented certain new and useful improvements in			
SEAL TAPE AND SECONDARY BATTERY USING T in a polication for a United States Letters Pate Application Number 13/348,953	ent was filed on January 12, 2012		
for which an application for a United States Letters Patent was executed by me on			
x for which an International Application was filed on	November 12, 2010 , as		
PCT/KR2010/008006 , 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 attorneys to insert on this deed the when known.	e filing date and application number of said application		
Jan. 6, 20/1	KIM, Sung-Jong		
Somethan South			
Typed Name of Witness			
· · · · · · · · · · · · · · · · · · ·			

X Total of 1 forms are submitted.

PATENT

REEL: 027557 FRAME: 0094

	Docket Number (Optional)	
ASSIGNMENT OF PATENT APPLICATION	LGCHEM	
	,	
Whereas, I, KU, Cha-Hun	of	
1-803, The poem., 385-11, Doryong-dong, Yuseong-gu, Da	ejeon, 305-340 Republic of Korea	
hereafter referred to as assignor, have with others invented certain new and useful improvements in		
SEAL TAPE AND SECONDARY BATTERY USING T	HE SAME	
x for which an application for a United States Letters Pate Application Number 13/348,953	T 10 0010	
for which an application for a United States Letters Pater	nt was executed by me on .	
x for which an International Application was filed on		
PCT/KR2010/008006 , designating the United		
And		
Whereas, : LG Chem, Ltd.		
a corporation of Korea, Republic of herein referred to as "assign	nee" whose mailing address is	
20, Yoldo-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 assignon 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 relissue 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 aforesald utility application pursuant to any law or treaty, and including all claims for damages by reason of past intringement 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 lestify 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 i		
And I do hereby authorize my attorneys to insert on this deed the when known.		
Jan. 6th, 2012	Chahm En	
Date	KU, Cha-Hun	
Witness		
PARK, Seong-Hye Typed Name of Witness		
x *Total of 2 forms are submitted.		

PATENT

REEL: 027557 FRAME: 0095