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San PARK; Bong Su JEUNG; Jae Han RYOO; Cheon Ho PARK; Suk Jae LEE; Kyoung sik KIM	Name: LG CHEM, LTD.
	Internal Address:
Additional name(s) of conveying party(les) attached?	
3. Nature of conveyance/Execution Date(s):	Street Address: 128, YEOUI-DAERO
Execution Date(s) 08/16/2018	YEONGDEUNGPO-GU
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Security Agreement Change of N	ame City: SEOUL
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Government Interest Assignment	Country KOREA REPUBLIC OF 7: 07336
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Other	Additional name(s) & address(es) attached? Yes X No
4. Application or patent number(s):	This document serves as an Oath/Declaration (37 CFR 1.63).
A. Patent Application No.(s)	B. Patent No.(s)
15/117,423	
	nbers attached? Yes XNo
5. Name and address to whom correspondent concerning document should be mailed:	I
Name: DENTONS US LLP	involved: 1
Name.	
	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00
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Street Address: 4655 EXECUTIVE DRIVE, SUITE 7 City: SAN DIEGO State: CA Zip: 92121	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00 X Authorized to be charged to deposit account Description of the control of the charged for the control of the charged for the control of the charged for the c
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Street Address: 4655 EXECUTIVE DRIVE, SUITE 7 City: SAN DIEGO State: CA Zip: 92121	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number
Street Address: 4655 EXECUTIVE DRIVE, SUITE 7 City: SAN DIEGO State: CA Zip: 92121 Phone Number: 619) 595-8032	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information
Street Address: 4655 EXECUTIVE DRIVE, SUITE 7 City: SAN DIEGO State: CA Zip: 92121 Phone Number: (619) 595-8032 Docket Number: 29137.02169.US00	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number
Street Address: 4655 EXECUTIVE DRIVE, SUITE 7 City: SAN DIEGO State: CA Zip: 92121 Phone Number: (619) 595-8032 Docket Number: 29137.02169.US00 Email Address: mlaip@dentons.com 9. Signature: //Renzo N. Rocchegiani/	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00 X Authorized to be charged to deposit account Denclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number Authorized User Name Renzo N. Rocchegiani August 20, 2018
Street Address: 4655 EXECUTIVE DRIVE, SUITE 7 City: SAN DIEGO State: CA Zip: 92121 Phone Number: 29137.02169.US00 Email Address: mlaip@dentons.com 9. Signature: //Renzo N. Rocchegiani/ Renzo N. Rocchegiani Signature	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number Authorized User Name Renzo N. Rocchegiani August 20, 2018 Date Total number of pages including cover
Street Address: 4655 EXECUTIVE DRIVE, SUITE 7 City: SAN DIEGO State: CA Zip: 92121 Phone Number: 29137.02169.US00 Email Address: mlaip@dentons.com 9. Signature: //Renzo N. Rocchegiani/ Renzo N. Rocchegiani Name of Person Signing Documents to be recorded (including cov	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 50.00 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information Deposit Account Number Authorized User Name Renzo N. Rocchegiani August 20, 2018 Date Total number of pages including equat

PATENT REEL: 046862 FRAME: 0386

Assignment of Application

WHEREAS	I (WE)	San PARK PARK; Sul	; Bong Su JEUN c Jae LEE; Kyou	G; Jea Han RYO ng sik KIM	O; Cheon Ho
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, respectively,
have invented cert	ain new a	ınd useful im	provements in:		
PEELING BAR F APPARATUS AN for which an appli	D PEEL	NG METHO	DD USING THE	SAME	EELING
(Application No.	15/117,4	123	Filed	August 8, 2016), and
WHEREAS,	LG CH	EM, LTD.			
(hereinafter referre 128, Yeoui-daero	d to as "A Yeondeu	ASSIGNEE") ingpo-gu, Se) having a place (oul 07336 Repu	of business at: blic of Korea	

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Dentons US LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any

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further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	2018.	8.	16.	الم	<u> </u>	Cozar
				(Signature of Inventor) San PARK		. 4.
Date:_	2018	<u>8.</u>	16	(Signature of Inventor) Bong Su JEUNG	另一个	-16V
Detc:_			4	(Signature of Inventor)	-	/
				Jea Han RYOO		
Date:	20/8.0	8.	16	(Signature of Inventor) Cheon Ho PARK	전 할	Both
Date:	2018.	8	16	O Kg	27	0142M
				Suk Jae LEE		
Date:	2018. 02	16		7/2 7-1 (Signature of Y	<u> </u>	- かんか
				(Signature of Invention Kyoung sik KIM	tor)	

DENTONS US LLP Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

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Assignment of Application

WHEREAS, I		; Bong Su JEUN k Jae LEE; Kyou	lG; Jea Han R ing sik KIM	Y00; Che	on Ho
	, 7			, res	spectively,
have invented certain ne	w and useful in	provements in:			
PEELING BAR FOR PE APPARATUS AND PEI for which an application	ELING METHO	DD USING THE	SAME	L, PEELIN	IG .
(Application No. 15/11	7,423	Filed	August 8, 2	2016), and
WHEREAS, LG	HEM, LTD.				
(hereinafter referred to as 128, Yeoui-daero Yeono	: "ASSIGNEE" leungpo-gu, Se) having a place oul 07336 Repu	of business at	: a	

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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The undersigned hereby grant(s) the firm of Dentons US LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any

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Date:	
	(Signature of Inventor) San PARK
Date:	(Signature of Inventor)
	Bong Su JEUNG
Date: August 16, 2018	(Signature of Inventor)
	Jea Han RYOO
Date:	
	(Signature of Inventor) Cheon Ho PARK
Date:	
	(Signature of Inventor) Suk Jae LEE
Date:	
	(Signature of Inventor)
	Kyoung sik KIM

DENTONS US LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006



PTO/SB/92 (07-16)

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PATENT REEL: 046862 FRAME: 0391

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