505830442 12/19/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
IN HAENG CHO	10/17/2019
HYO SHIN KWAK	10/17/2019
DAI IN PARK	10/17/2019
JIN HAEK YANG	10/17/2019
JOO HYUN LEE	10/17/2019
MYOUNG LAE KIM	10/17/2019
SUNG YON OH	10/17/2019
SU HEE HAN	10/17/2019

RECEIVING PARTY DATA

Name:	SK INNOVATION CO., LTD.	
Street Address:	26, JONG-RO, JONGNO-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	03188	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16596813

CORRESPONDENCE DATA

Fax Number: (412)471-4094

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	5038-1907415
NAME OF SUBMITTER:	RICHARD L. BYRNE
SIGNATURE:	/Richard L. Byrne, REG NO. 28,498/

505830442 REEL: 051334 FRAME: 0185

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DATE SIGNED:	12/18/2019
Total Attachments: 4	
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PATENT REEL: 051334 FRAME: 0186

	INTERNATIONAL
Application No	16/596,813
Attorney Docket	No. <u>5038-1907415</u>

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in ELECTROLYTE FOR SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME (Invention Title) for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR | X | for which an application for a United States Patent was filed on and bears Application Number 16/596.813 (hereinafter "said application"). AND/OR for which an international patent application was filed under the Patent Cooperation Treaty (mm/dd/yyyy), bearing Application No 🖳 (hereinafter AND, WHEREAS, SK Innovation Co., Ltd., a corporation of the Republic of Korea, having a place of business at 26, Jong-ro, Jongno-gu, Seoul 03188, Republic Of Korea, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed. NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries, including rights of priority under the International Convention of Paris (1883) as amended, and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made. I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. filed ______) the filing date and application number of said application when known. I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

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	INTERNATIONAL
Application No	16/596,813
Attorney Docket N	o. <u>5038-1907415</u>

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs; executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:	RESIDENCE:	
In Haeng CHO	Daejeon, Republic of Korea	
EXECUTED this 19th day of October	. 2019	
	. 4 1 = -1	
	In Haenz CHO	
	Signature	
WITNESS:		
·		
2. FULL NAME OF ASSIGNOR:	RESIDENCE;	
Hyo Shin KWAK	Daejeon, Republic of Korea	
EXECUTED this 19th day of 0, to ber	, 2019	
	tu dan kuude	
	Hyochin kwalc	
	SIGNATURE	
WITNESS:		
<u> </u>		
X Checked Box indicates 2 additional pa	age(s) for inventor signatures.	
	5	

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	INTERNATIONAL Application No. 16/596,813
	Attorney Docket No5038-1907415
3. FULL NAME OF ASSIGNOR: Dai In PARK	RESIDENCE: Daejeon, Republic of Korea
EXECUTED this // day of October	, 2019
	Pai In Park
WITNESS:	SIGNATURE
4. FULL NAME OF ASSIGNOR: Jin Haek YANG	RESIDENCE: Daejeon, Republic of Korea
	, 2019
WITNESS:	Impack Jang SIGNATURE
5. FULL NAME OF ASSIGNOR: Joo Hyun LEE	RESIDENCE: Daejeon, Republic of Korea
EXECUTED this // day of October	, 2019
	Joo Hyun Lee SIGNATURE
	SIGNATURE

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WITNESS:

Page 3 of 4

	I Application No.	NTERNATIONAL 16/596,813
	Attorney Docket No.	5038-1907415
6. FULL NAME OF ASSIGNOR: Myoung Lae KIM	RESIDENCE: Daejeon, Republic of K	orea
EXECUTED this 19th day of October	_,2019	
	Myoung Lae Kim SIGNATURE	The state of the s
WITNESS:	' Signature	
		·*)
7. FULL NAME OF ASSIGNOR: Sung Yon OH	RESIDENCE: Daejeon, Republic of Ke	orea
EXECUTED this 10th day of October	_,2019 Sung yon Oh	
WITNESS:	Signature	3
	_	
8. FULL NAME OF ASSIGNOR: Su Hee HAN	RESIDENCE: Daejeon, Republic of Ke	orea
EXECUTED this /1th day of October	, 2019	
	Su Hoe HAN SIGNATURE	3
WITNESS:	_	
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PATENT REEL: 051334 FRAME: 0190