505492098 05/23/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5538902

		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
ONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
PILSANG YUN			05/15/2019		
IYOON KIM			05/17/2019		
WOOYOUNG YANG			05/20/2019		
DONGGYU CHANG	05/20/2019				
/INAH CHA			05/17/2019		
ECEIVING PARTY DA	ТА				
Name:	SAMSUNG SDI CO., LTD.				
Street Address:		150-20 GONGSE-RO, GIHEUNG-GU			
City:	YONG	ONGIN-SI, GYEONGGI-DO			
State/Country:		KOREA, REPUBLIC OF			
Jiale/Oounity.					
Postal Code: PROPERTY NUMBERS	17084				
Postal Code: PROPERTY NUMBERS	17084	·			
Postal Code: PROPERTY NUMBERS Property Type	17084				
Postal Code: PROPERTY NUMBERS Property Type	17084	Number			
Postal Code: PROPERTY NUMBERS Property Type Application Number:	17084 Total: 1	Number			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number:	17084 Total: 1	Number 16463815 (626)577-8800			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsucced			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be	Total: 1	Number 16463815 (626)577-8800			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsuccessful, it will be sent via			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone:	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsuccessful, it will be sent via 626-795-9900	a US Mail.		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email:	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsucces first; if that is unsuccessful, it will be sent via 626-795-9900 pto@lrrc.com	a US Mail.		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name:	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsuccessful, it will be sent via 626-795-9900 pto@lrrc.com LEWIS ROCA ROTHGERBER CHRISTIE L	a US Mail.		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsuccessful, it will be sent via 626-795-9900 pto@Irrc.com LEWIS ROCA ROTHGERBER CHRISTIE L P.O. BOX 29001 GLENDALE, CALIFORNIA 91209-9001	a US Mail.		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsuccessful, it will be sent via 626-795-9900 pto@Irrc.com LEWIS ROCA ROTHGERBER CHRISTIE L P.O. BOX 29001 GLENDALE, CALIFORNIA 91209-9001	a US Mail.		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: TTORNEY DOCKET NU	Total: 1	Number 16463815 (626)577-8800 o the e-mail address first; if that is unsucces first; if that is unsuces first; if that is unsuces first; if that is unsucces f	a US Mail.		

source=174097_Assignment#page1.tif

source=174097_Assignment#page2.tif source=174097_Assignment#page3.tif

INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

PATENT

Title of Invention:

NICKEL ACTIVE MATERIAL PRECURSOR FOR LITHIUM SECONDARY BATTERY, METHOD FOR PRODUCING NICKEL ACTIVE MATERIAL PRECURSOR, NICKEL ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY PRODUCED BY METHOD, AND LITHIUM SECONDARY BATTERY HAVING CATHODE CONTAINING NICKEL ACTIVE MATERIAL

Docket No : 174097

INVENTOR'S DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application unless the following is checked:

X United States Application or PCT International Application Number <u>PCT/KR2017/014098</u> filed on <u>December 4, 2017</u>

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Lacknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Pilsang Yun, Jiyoon Kim, Wooyoung Yang, Donggyu Chang, and Minah Cha

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) SAMSUNG SDI CO., LTD.

having a place of business at

(3) 150-20. Gongse-ro, Giheung-gu, Yongin-si, Gyeonagi-do, Republic of Korea

108136909_1

1 of 3

INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Docket No.: 174097

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) NICKEL ACTIVE MATERIAL PRECURSOR FOR LITHIUM SECONDARY BATTERY, METHOD FOR PRODUCING NICKEL ACTIVE MATERIAL PRECURSOR, NICKEL ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY PRODUCED BY METHOD, AND LITHIUM SECONDARY BATTERY HAVING CATHODE CONTAINING NICKEL ACTIVE MATERIAL

which application executed on even date herewith or was

- (a) executed on (5a): ____
- (b) filed on (5b): May 23, 2019 Application No.: 16/463,815

(LEWIS ROCA ROTHGERBER CHRISTIE LLP, P.O. Box 29001, Glendale, CA 91209-9001) is hereby authorized to insert in (b) the specified data, when known.

including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

Pilisang Yun Legal Name of Inventor

Date

운 길 생

MAG

Signature

Jiyoon Kim Legal Name of Inventor

2018 Mary Date

Signature

108126000_1

5 of 3

Wooyoung Yang	<u></u>	May 20, 34	o <i>19</i>
Legal Name of Inventor		Date	
	geette and a		
Y~~X			
Signature	***************************************		
Dongqyu Chang		Mary 20, 3	an i Ø
Legal Name of Inventor		Date	mulinificas
Clanak w			
Signature			
		n an an an an Anna an A An Anna an Anna	
<u>Minah Cha</u>		M_{00} 14, 2014	

1881269990_1

3 of 3

은 형희는 실성SDI 항보자신 관리적업자의 허가없이 좋켜.해보,만좋음 할 수 없으며, 취급시 관련인형에 되거하여 한사상 《PATENT</mark>& GUU

REEL: 049284 FRAME: 0671

RECORDED: 05/23/2019