504402522 06/07/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONGYOUN KANG	05/22/2017

RECEIVING PARTY DATA

Name:	SAMSUNG SDI CO., LTD.
Street Address:	150-20, GONGSE-RO, GIHEUNG-GU
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15616530

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	302/1683_00
NAME OF SUBMITTER:	SAMUEL W. NTIROS
SIGNATURE:	/Samuel W. Ntiros/
DATE SIGNED:	06/07/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 504402522 REEL: 042638 FRAME: 0714

Title: **BATTERY SYSTEM**

COMBINED DECLARATION (37 CFR $\S 1.63)$ FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM 1

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

for which Ass patent.	signor is about to make or has made United States or International application for
WHEREAS,	as a below named inventor(s), I/(we) hereby declare that:
Section I. De	eclaration
This declarati	ion is directed to the attached U.S. non-provisional patent application, unless the marked:
	U.S. non-provisional patent application number, filed on, or
	PCT international patent application number, filed on
The above-id	lentified application was made or authorized to be made by me (us).
	e that I am (we are) the original inventor (original joint inventors) of a claimed the above-identified application.
	acknowledge that any willful false statement made in this declaration is punishable a.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
•	e that I have reviewed and understand the contents of the above identified including the claims.
_	ge that I am aware of the duty to disclose information which is material to as defined in 37 CFR § 1.56.
¹ This form rec	quires the use of an Application Data Sheet.
SDI Ref No.	20141031018US1 Attorney Ref No. 302/1683_00
COMBIN	NED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND

ASSIGNMENT FORM
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<u>Power of Attorney:</u> I/we hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office practitioners associated with Customer Number 27849.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung SDI Co., Ltd.

having an address 150-20, Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 17084, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

SDI Ref No.	20141031018US1	Attorney Ref No.	302/1683_00
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SAMSUNG SDLCO., LTD.

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of LEE & MORSE, PC the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	KANG	Dongyoun	
<u></u>			
CICINATUR	Karg-Dong-Y	wa nate	2017.5 22

SDI Ref No. 20141031018USI Attorney Ref No. 302/1683_00

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