

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2659317

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>BYUNG-JOO CHUNG</td> <td>12/20/2013</td> </tr> <tr> <td>EON-MI LEE</td> <td>12/20/2013</td> </tr> <tr> <td>SEUNG-UK KWON</td> <td>12/20/2013</td> </tr> <tr> <td>JAE-HYUK KIM</td> <td>12/20/2013</td> </tr> <tr> <td>SOON-SUNG SUH</td> <td>12/20/2013</td> </tr> <tr> <td>CHANG-UI JEONG</td> <td>12/20/2013</td> </tr> <tr> <td>HA-NA YOO</td> <td>12/20/2013</td> </tr> <tr> <td>NAM-SEON KIM</td> <td>12/20/2013</td> </tr> <tr> <td>YANG-SOO KIM</td> <td>12/20/2013</td> </tr> <tr> <td>KWANG-SIK CHOI</td> <td>12/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	BYUNG-JOO CHUNG	12/20/2013	EON-MI LEE	12/20/2013	SEUNG-UK KWON	12/20/2013	JAE-HYUK KIM	12/20/2013	SOON-SUNG SUH	12/20/2013	CHANG-UI JEONG	12/20/2013	HA-NA YOO	12/20/2013	NAM-SEON KIM	12/20/2013	YANG-SOO KIM	12/20/2013	KWANG-SIK CHOI	12/20/2013
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<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG SDI CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>150-20, GONGSE-RO, GIHEUNG-GU</td> </tr> <tr> <td>City:</td> <td>YONGIN-SI, GYEONGGI-DO</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>446-577</td> </tr> </table>		Name:	SAMSUNG SDI CO., LTD.	Street Address:	150-20, GONGSE-RO, GIHEUNG-GU	City:	YONGIN-SI, GYEONGGI-DO	State/Country:	KOREA, REPUBLIC OF	Postal Code:	446-577												
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PROPERTY NUMBERS Total: 1																							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14139271</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14139271																		
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CORRESPONDENCE DATA																							

OP \$40.00 14139271

Fax Number: (703)207-0003  
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Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	301/1219
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NAME OF SUBMITTER:	RALPH T. WEBB
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Signature:	/Ralph T. Webb/
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Date:	12/23/2013
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**Total Attachments: 12**

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**COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT  
APPLICATION AND ASSIGNMENT FORM<sup>1</sup>**

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:

Title: **BINDER COMPOSITION FOR RECHARGEABLE LITHIUM BATTERY,  
PREPARING METHOD OF SAME, AND RECHARGEABLE LITHIUM  
BATTERY INCLUDING BINDER COMPOSITION**

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for which Assignor is about to make or has made United States or International application for patent.

WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

**Section I. Declaration**

This declaration is directed to the attached U.S. non-provisional patent application, unless the following is marked:

- ☐ U.S. non-provisional patent application number \_\_\_\_\_, filed  
on \_\_\_\_\_, or
- ☐ PCT international patent application number \_\_\_\_\_, filed on  
\_\_\_\_\_.

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

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.

I (we) hereby acknowledge 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.

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<sup>1</sup> This form requires the use of an Application Data Sheet.

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SDI Ref No. G10875 Attorney Ref No. 301/1219

SAMSUNG SDI CO., LTD.  
AEKYUNG CHEMICAL CO., LTD.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

**Power of Attorney:** 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.**

a corporation organized and existing under the laws of the Republic of Korea, having its registered office at address at 150-20, Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 446-557, Republic of Korea; and

**Aekyung Chemical Co., Ltd.**

a corporation organized and existing under the laws of Federal Republic of Germany, having a mailing address at at 7, gongwon-ro, Guro-gu, Seoul, Republic of Korea.

(collectively "Assignees"), 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

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SDI Ref No. G10875 Attorney Ref No. 301/1219

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND  
ASSIGNMENT FORM

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**PATENT**  
**REEL: 031843 FRAME: 0004**

SAMSUNG SDI CO., LTD.  
AEKYUNG CHEMICAL CO., LTD.

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;

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 INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHUNG	Byung-Joo	
SIGNATURE <u>CHUNG Byung-Joo</u> DATE <u>December 20, 2013</u>			

SDI Ref No. G10875 Attorney Ref No. 301/1219

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND  
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**PATENT**  
**REEL: 031843 FRAME: 0005**

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LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	LEE	Eon-Mi	
SIGNATURE <u>Lee Eon-Mi</u> DATE <u>December 20, 2013</u>			

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KWON	Seung-Uk	
SIGNATURE <u>Kwon SeungUk</u> DATE <u>December 20, 2013</u>			

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Jae-Hyuk	
SIGNATURE <u>KIM Jae-Hyuk</u> DATE <u>December 20, 2013</u>			

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LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SUH	Soon-Sung	

SIGNATURE SUH Soon-Sung DATE December 20, 2013

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	JEONG	Chang-Ui	

SIGNATURE JEONG Chang-Ui DATE December 20, 2013

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	YOO	Ha-Na	

SIGNATURE YOO Ha-Na DATE December 20, 2013

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LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Nam-Seon	
SIGNATURE _____ DATE _____			

LEGAL NAME OF NINTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Yang-Soo	
SIGNATURE _____ DATE _____			

LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHOI	Kwang-Sik	
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### **Samsung SDI Co., Ltd.**

a corporation organized and existing under the laws of the Republic of Korea, having its registered office at address at 150-20, Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 446-557, Republic of Korea; and

### **Aekyung Chemical Co., Ltd.**

a corporation organized and existing under the laws of Federal Republic of Germany, having a mailing address at at 7, gongwon-ro, Guro-gu, Seoul, Republic of Korea.

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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

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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;

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.

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	<b>CHUNG</b>	<b>Byung-Joo</b>	
<div style="display: flex; justify-content: space-between; align-items: flex-end;"><div>SIGNATURE _____</div><div>DATE _____</div></div>			

SDI Ref No. G10875 Attorney Ref No. 301/1219

--

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	<b>LEE</b>	<b>Eon-Mi</b>	

SIGNATURE _____	DATE _____
-----------------	------------

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	<b>KWON</b>	<b>Seung-Uk</b>	

SIGNATURE _____	DATE _____
-----------------	------------

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	<b>KIM</b>	<b>Jae-Hyuk</b>	

SIGNATURE _____	DATE _____
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SDI Ref No. G10875 Attorney Ref No. 301/1219


LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	<b>SUH</b>	<b>Soon-Sung</b>	
SIGNATURE _____ DATE _____			

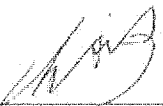
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	<b>JEONG</b>	<b>Chang-Ui</b>	
SIGNATURE _____ DATE _____			

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
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SIGNATURE _____ DATE _____			

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SIGNATURE  DATE December 20, 2013			

LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHOI	Kwang-Sik	
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PATENT

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