

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Koji Hoshiba</td> <td>07/25/2013</td> </tr> <tr> <td>Satoshi Nishikawa</td> <td>07/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Koji Hoshiba	07/25/2013	Satoshi Nishikawa	07/25/2013		
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Satoshi Nishikawa	07/25/2013								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Samsung SDI Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>428-5, Gongse-dong, Giheung-gu</td> </tr> <tr> <td>City:</td> <td>Yongin-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> </table>		Name:	Samsung SDI Co., Ltd.	Street Address:	428-5, Gongse-dong, Giheung-gu	City:	Yongin-si, Gyeonggi-do	State/Country:	REPUBLIC OF KOREA
Name:	Samsung SDI Co., Ltd.								
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<table border="1"> <tr> <td>Name:</td> <td>Teijin Limited</td> </tr> <tr> <td>Street Address:</td> <td>6-7, Minamihommachi 1-chome, Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Osaka-shi, Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Teijin Limited	Street Address:	6-7, Minamihommachi 1-chome, Chuo-ku	City:	Osaka-shi, Osaka	State/Country:	JAPAN
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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>13951407</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13951407				
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Application Number:	13951407								
CORRESPONDENCE DATA									
<p>Fax Number: 6265778800  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 626-795-9900        Email: pto@cph.com        Correspondent Name: CHRISTIE, PARKER &amp; HALE, LLP        Address Line 1: PO BOX 29001        Address Line 4: GLENDALE, CALIFORNIA 91209</p>									
ATTORNEY DOCKET NUMBER:	73250/S744/JEJ/NRD								
NAME OF SUBMITTER:	Nirja R. Dalal								

OP \$40.00 13951407

Signature:	/Nirja R. Dalal/
Date:	07/26/2013
Total Attachments: 3 source=73250_Assignment#page1.tif source=73250_Assignment#page2.tif source=73250_Assignment#page3.tif	

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**INVENTOR'S DECLARATION AND ASSIGNMENT  
FOR PATENT APPLICATION**

PATENT

Title of Invention: SEPARATOR FOR RECHARGEABLE LITHIUM BATTERY, AND  
RECHARGEABLE LITHIUM BATTERY INCLUDING THE SAME  
Docket No.: 73250/S744

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**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:

\_\_\_ United States Application or PCT International Application Number \_\_\_\_\_  
filed on \_\_\_\_\_.

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.

I 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.

**ASSIGNMENT**

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

(1) Koji Hoshiba and Satoshi Nishikawa

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

(2) SAMSUNG SDI CO., LTD.; AND TEIJIN LIMITED, JOINTLY

having a place of business at

(3) 428-5, Gongse-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; and 6-7, Minamihommachi 1-chome, Chuo-ku, Osaka-shi, Osaka 541-0054 Japan, Respectively

(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

**INVENTOR'S DECLARATION AND ASSIGNMENT  
FOR PATENT APPLICATION**

Docket No.: 73250/S744

**(4) SEPARATOR FOR RECHARGEABLE LITHIUM BATTERY. AND RECHARGEABLE  
LITHIUM BATTERY INCLUDING THE SAME**

which application executed on even date  
herewith or was

(a) executed on (5a): July 25, 2013 ;

(b) filed on (5b): 07/25/2013 ;

Application No.: 13/951,407 ;

(CHRISTIE, PARKER & HALE, 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.

Koji Hoshiba  
Legal Name of Inventor

July 25, 2013

Date

Koji Hoshiba  
Signature

Satoshi Nishikawa  
Legal Name of Inventor

July 25, 2013

Date

Satoshi Nishikawa  
Signature

**WITNESSES:**

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**INVENTOR'S DECLARATION AND ASSIGNMENT  
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**Docket No.:** 73250/S744

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**RECORDED: 07/26/2013**

**PATENT  
REEL: 030885 FRAME: 0199**