

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Seok Gyun Chang</td> <td>06/30/2006</td> </tr> <tr> <td>Soon Ki Woo</td> <td>06/30/2006</td> </tr> <tr> <td>Youn Han Chang</td> <td>06/30/2006</td> </tr> <tr> <td>Yoo Eup Hyung</td> <td>06/30/2006</td> </tr> </tbody> </table>		Name	Execution Date	Seok Gyun Chang	06/30/2006	Soon Ki Woo	06/30/2006	Youn Han Chang	06/30/2006	Yoo Eup Hyung	06/30/2006
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Seok Gyun Chang	06/30/2006										
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Yoo Eup Hyung	06/30/2006										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Samsung SDI Co., Ltd.										
<b>Street Address:</b>	575, Shin-dong, Yeongtong-gu										
<b>City:</b>	Suwon-si, Gyeonggi-do										
<b>State/Country:</b>	KOREA, REPUBLIC OF										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11394171</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11394171						
Property Type	Number										
Application Number:	11394171										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(626)577-8800										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	(626) 795-9900										
<b>Email:</b>	pto@cph.com										
<b>Correspondent Name:</b>	Christie, Parker & Hale, LLP										
<b>Address Line 1:</b>	Post Office Box 7068										
<b>Address Line 4:</b>	Pasadena, CALIFORNIA 91109-7068										
<b>ATTORNEY DOCKET NUMBER:</b>	57454/S1170										
<b>NAME OF SUBMITTER:</b>	D. Bruce Prout										
<b>Total Attachments: 1</b> source=57454 Assignment#page1.tif											

CH \$40.00 11394171

Docket No.: 57454/S1170

Return to:  
CHRISTIE, PARKER & HALE  
Post Office Box 7068  
Pasadena, CA 91109-7068

**ASSIGNMENT**

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

(1) Seok Gyun CHANG, Soon KI WOO, Youn Han CHANG and Yoo Eup HYUNG

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

(2) Samsung SDI. Co., Ltd.

having a place of business at

(3) 575, Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

(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) CYLINDRICAL LITHIUM ION SECONDARY BATTERY HAVING FUNCTION CENTER PIN

which application was:

(a) executed on (5a): \_\_\_\_\_

(b) filed on (5b): March 29, 2006

Application No.: 11/394,171

**(CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, CA 91109-7068) 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.

INVENTOR(S)	SIGNATURE	DATE
<u>Seok Gyun CHANG</u>	X <u>[Signature]</u>	X <u>June 30, 2006</u>
<u>Soon Ki WOO</u>	X <u>[Signature]</u>	X <u>2006.6.30</u>
<u>Youn Han CHANG</u>	X <u>[Signature]</u>	X <u>June 30, 2006</u>
<u>Yoo Eup HYUNG</u>	X <u>[Signature]</u>	X <u>2006.6.30</u>

WITNESSES:

\_\_\_\_\_  
\_\_\_\_\_

**PATENT**