

PATENT ASSIGNMENT

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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>Naoya Takeuchi</td> <td>06/12/2013</td> </tr> <tr> <td>Hiroshi Kishimoto</td> <td>06/11/2013</td> </tr> <tr> <td>Kasumi Oi</td> <td>06/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Naoya Takeuchi	06/12/2013	Hiroshi Kishimoto	06/11/2013	Kasumi Oi	06/11/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Dai Nippon Printing Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Ichigayakaga-cho 1-chome, Shinjuku-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>1628001</td> </tr> </table>		Name:	Dai Nippon Printing Co., Ltd.	Street Address:	1-1, Ichigayakaga-cho 1-chome, Shinjuku-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	1628001
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CORRESPONDENCE DATA											
<p>Fax Number: 6172274420 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2024787375 Email: aangelov@edwardswildman.com Correspondent Name: EDWARDS WILDMAN PALMER LLP Address Line 1: P.O Box 55874 Address Line 4: Boston, MASSACHUSETTS 02205</p>											
ATTORNEY DOCKET NUMBER:	93977(302610)										
NAME OF SUBMITTER:	James E. Armstrong, IV										
Signature:	/James E. Armstrong, IV/										
Date:	09/25/2013										
<p>Total Attachments: 3 source=93977_Assignment#page1.tif source=93977_Assignment#page2.tif source=93977_Assignment#page3.tif</p>											

CH \$40.00 14007423

ASSIGNMENT

THIS ASSIGNMENT, made by 1) Naoya TAKEUCHI, 2) Hiroshi KISHIMOTO, and 3) Kasumi OI (hereinafter referred to as Assignor), residing at 1)-3) c/o DAI NIPPON PRINTING CO., LTD., 1-1, Ichigayakaga-cho 1-chome, Shinjuku, Tokyo 1628001, Japan;

WHEREAS, Assignor has invented certain new and useful improvements in **CONDUCTIVE POROUS LAYER FOR BATTERIES AND FABRICATION METHOD FOR SAME**, set forth in a Patent application for Letters Patent of the United States, already filed on _____ as U.S. Application No. _____; and

WHEREAS, DAI NIPPON PRINTING CO., LTD., a corporation organized under and pursuant to the laws of Japan having its principal place of business at 1-1, Ichigayakaga-cho 1-chome, Shinjuku-ku, Tokyo 1628001, Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and

entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order

to comply with the rules of the United States Patent and Trademark Office for
recording of this document:

EDWARDS WILDMAN PALMER LLP

All practitioners at Customer Number 21874

AND Assignor acknowledges an obligation of assignment of this invention to
Assignee at the time the invention was made.

Date: 12/6/2013 Signature: Naoya Takeuchi
Naoya TAKEUCHI

Date: 11/6/2013 Signature: Hiroshi Kishimoto
Hiroshi KISHIMOTO

Date: 11/6/2013 Signature: Kasumi Oi
Kasumi OI