

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Masashi Hashimoto</td> <td>06/01/2012</td> </tr> <tr> <td>Akane Oguro</td> <td>06/01/2012</td> </tr> <tr> <td>Naohiko Itayama</td> <td>06/01/2012</td> </tr> <tr> <td>Kazuo Takei</td> <td>06/01/2012</td> </tr> <tr> <td>Izuho Okada</td> <td>06/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masashi Hashimoto	06/01/2012	Akane Oguro	06/01/2012	Naohiko Itayama	06/01/2012	Kazuo Takei	06/01/2012	Izuho Okada	06/01/2012
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<table border="1"> <tr> <td>Name:</td> <td>Nippon Shokubai Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Koraibashi, 4-chome</td> </tr> <tr> <td>Internal Address:</td> <td>Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Osaka-Shi, Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>5410043</td> </tr> </table>		Name:	Nippon Shokubai Co., Ltd.	Street Address:	1-1, Koraibashi, 4-chome	Internal Address:	Chuo-ku	City:	Osaka-Shi, Osaka	State/Country:	JAPAN	Postal Code:	5410043
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CORRESPONDENCE DATA													
Fax Number: (202)293-6229 Phone: (202) 331-7111 Email: swhite@cblh.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Connolly Bove Lodge & Hutz LLP Address Line 1: 1875 Eye Street, NW Address Line 2: Suite 1100 Address Line 4: Washington, DISTRICT OF COLUMBIA 20006													
ATTORNEY DOCKET NUMBER:	21581-00552-US												

OP \$40.00 13514522

NAME OF SUBMITTER:

Burton A. Amernick

Total Attachments: 4

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Masahi Hashimoto; Akane Oguro; Naohiko Itayama; Kazuo Takei; and Izuho Okada (hereinafter referred to as Assignors), having an address at C/O Nippon Shokubai Co., Ltd., 5-8, Nishiotabicho, Suita-shi, Osaka, 564-8512, JAPAN, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in ELECTROLYTE MATERIAL, AND BATTERY MATERIAL AND SECONDARY BATTERY USING SAID ELECTROLYTE MATERIAL, set forth in a Patent application for which an International Application was filed on December 9, 2010, PCT/JP2010/072095, designating the United States; and

WHEREAS, Nippon Shokubai Co., Ltd., a Corporation organized under and pursuant to the laws of Japan having its principal place of business at 1-1, Koraibashi, 4-chome, Chuo-ku, Osaka-Shi, Osaka, 5410043, 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, Assignors have sold, assigned, transferred and set over, and by these presents do 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 of priority resulting from the filing of such applications and

granting of such patents, 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 Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant 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, Assignors are the sole and lawful owners 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 Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors 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 Assignors hereby request 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 Assignors hereby grant 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 recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: JUN. - 1, 2012 Signature: Masashi Hashimoto
Masashi Hashimoto

Date: JUN. - 1, 2012 Signature: Akane Oguro
Akane Oguro

Date: JUN. - 1, 2012 Signature: Naohiko Itayama
Naohiko Itayama

Date: JUN. - 1, 2012 Signature: Kazuo Takei
Kazuo Takei

K10002070501
PC1508 US

Date: JUN. - 1. 2012

Signature: Izuko Okada
Izuko Okada