

## 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>Tomoya FUTAMURA</td> <td>03/02/2012</td> </tr> <tr> <td>Tamae MORIWAKA</td> <td>03/06/2012</td> </tr> <tr> <td>Takahiro KAWAKAMI</td> <td>03/06/2012</td> </tr> <tr> <td>Junpei MOMO</td> <td>03/06/2012</td> </tr> <tr> <td>Nobuhiro INOUE</td> <td>03/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tomoya FUTAMURA	03/02/2012	Tamae MORIWAKA	03/06/2012	Takahiro KAWAKAMI	03/06/2012	Junpei MOMO	03/06/2012	Nobuhiro INOUE	03/06/2012
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RECEIVING PARTY DATA													
Name:	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.												
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City:	Atsugi-shi, Kanagawa-ken												
State/Country:	JAPAN												
Postal Code:	243-0036												
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>13419639</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13419639								
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Application Number:	13419639												
CORRESPONDENCE DATA													
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ATTORNEY DOCKET NUMBER:	740756-3716												
NAME OF SUBMITTER:	Jeffrey L. Costellia												
Total Attachments: 3 source=740756_3716_Assignment#page1.tif source=740756_3716_Assignment#page2.tif source=740756_3716_Assignment#page3.tif													

CH \$40.00 13419639

PATENT

NIXON PEABODYLLP  
United States Patent Rights

Attorney Docket No. \_\_\_\_\_

ASSIGNMENT

Serial No. \_\_\_\_\_

Filed \_\_\_\_\_

WHEREAS, Tomoya FUTAMURA, Tamae MORIWAKA, Takahiro KAWAKAMI, Junpei MOMO and Nobuhiro INOUE

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in LITHIUM ION SECONDARY BATTERY AND METHOD FOR MANUFACTURING THE SAME for which an application for Letters Patent of the United States of America has been executed by the undersigned on \_\_\_\_\_, and;

WHEREAS, Semiconductor Energy Laboratory Co., Ltd. of 398, Hase, Atsugi-shi, Kanagawa-ken, 243-0036 Japan and its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Nixon Peabody LLP 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 U.S. Patent and Trademark Office for recordation of this document.

*In witness thereof*, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 03/02/2012, Name of Inventor Tomoya Futamura (SEAL)  
Tomoya FUTAMURA

Date 03/06/2012, Name of Inventor Tamae Moriwaka (SEAL)  
Tamae MORIWAKA

Date 03/06/2012, Name of Inventor Takahiro Kawakami (SEAL)  
Takahiro KAWAKAMI

Date 03/06/2012, Name of Inventor Junpei MOMO (SEAL)  
Junpei MOMO

Date 03/06/2012, Name of Inventor Nobuhiro Inoue (SEAL)  
Nobuhiro INOUE

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed has (have) invented certain new and useful improvements in by at least two other persons who should sign here.)

Witness (name) (signature)

Witness (name) (signature)

Witness (name) (signature)