

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOSHIYUKI ISA	04/24/2020
AKIHIRO CHIDA	04/24/2020
RYOTA TAJIMA	04/27/2020
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16761289
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<b>ATTORNEY DOCKET NUMBER:</b>	740756-004801
<b>NAME OF SUBMITTER:</b>	JEFFREY L. COSTELLIA
<b>SIGNATURE:</b>	/Jeffrey L. Costellia, Reg. No. 35,483/
<b>DATE SIGNED:</b>	05/04/2020
<b>Total Attachments: 2</b>	
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NIXON PEABODYLLP  
United States Patent Rights

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

ASSIGNMENT

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

Filed \_\_\_\_\_

WHEREAS, Toshiyuki ISA, Akihiro CHIDA and Ryota TAJIMA  
(hereinafter designated as the undersigned) has (have) invented certain new and useful  
improvements in LIFETIME ESTIMATION DEVICE, LIFETIME ESTIMATION METHOD,  
AND ABNORMALITY DETECTION METHOD OF SECONDARY BATTERY 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 convenants 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 04/24/2020, Name of Inventor Toshiyuki ISA (SEAL)  
Toshiyuki ISA

Date 04/24/2020, Name of Inventor Akihiro CHIDA (SEAL)  
Akihiro CHIDA

Date 04/27/2020, Name of Inventor Ryota Tajima (SEAL)  
Ryota TAJIMA

(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)