

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5015166

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SONY CORPORATION	06/15/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOHOKU MURATA MANUFACTURING CO., LTD.
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<b>City:</b>	KORIYAMA-SHI, FUKUSHIMA
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15565821
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<b>SIGNATURE:</b>	/Thomas C. Basso/
<b>DATE SIGNED:</b>	06/20/2018
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

WHEREAS, the undersigned, to wit: SONY CORPORATION (hereinafter "ASSIGNORS"), is the lawful owner of the inventions on the attached List of Applications which were filed with the United States Patent and Trademark Office.

AND WHEREAS, TOHOKU MURATA MANUFACTURING CO., LTD., having its principal office and place of business at 1-1 Shimosugishita, Takahura, Hiwada-machi, Koriyama-shi, Fukushima, JAPAN, (hereinafter "ASSIGNEE"), desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNORS hereby sell, assign, and transfer, and hereby set over unto ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right, title, and interest to said invention in the United States of America and all foreign countries, including, without limitation, said invention as described in the aforesaid application, to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by said ASSIGNOR had this assignment and sale not been made, including, without limitation, all rights to the said aforesaid application and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, but not limited to, divisions, continuations, continuations-in-part, reissues and reexaminations thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said inventions in any and all foreign countries and the right to claim priority as to the filing date under the International Convention on the basis for the aforesaid application for United States Letters Patent; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue all Letters Patent issuing therefrom to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

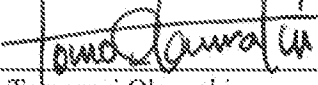
ASSIGNOR hereby agrees to execute any papers, provide any information and testify in any interference or litigation at the request of ASSIGNEE, its successors, assigns and legal representatives, when deemed essential to ASSIGNEE's, its successors', assigns' and legal representatives' full enjoyment, protection, enforcement and title in and to such invention and rights hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, to execute any and all papers desired by said ASSIGNEE, its successors, assigns and legal representatives, for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE, its successors, assigns and legal representatives.

Signature

Date Signed

SONY CORPORATION

By:   
Name: Tomonori Okuwaki  
Title: Senior General Manager,  
Intellectual Property Division

June 15, 2018

Address: 1-7-1, Konan, Minato-ku  
Tokyo, 108-0075 Japan

## List of Applications

K&L Ref. No.	Serial number	Filing Date	Title
3724795-00011	15/571728	11/3/2017	NEGATIVE ELECTRODE, BATTERY, BATTERY PACK, ELECTRONIC APPARATUS, ELECTRICALLY DRIVEN VEHICLE, ELECTRICAL STORAGE DEVICE, AND ELECTRIC POWER SYSTEM
3724795-00006	15/565821	10/11/2017	ELECTRICAL STORAGE SYSTEM, CONTROLLER, AND STORAGE BATTERY CHARGING AND DISCHARGING METHOD
3724795-00005	15/573357	11/10/2017	BATTERY, BATTERY CAN, BATTERY PACK, ELECTRONIC DEVICE, ELECTRIC VEHICLE, POWER STORAGE DEVICE, AND POWER SYSTEM
3724795-00003	15/754935	2/23/2018	BATTERY, BATTERY CAN, BATTERY PACK, ELECTRONIC DEVICE, ELECTRIC VEHICLE, ELECTRICITY STORAGE DEVICE AND ELECTRIC POWER SYSTEM
3724795-00002	15/746289	1/19/2018	BATTERY MODULE, ELECTRIC TOOL AND ELECTRONIC DEVICE