

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4742894

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
SONY CORPORATION	11/17/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	TOHOKU MURATA MANUFACTURING CO., LTD.
<b>Street Address:</b>	1-1 SHIMOSUGISHITA, TAKAKURA, HIWADA-MACHI, KORIYAMA-SHI
<b>City:</b>	FUKUSHIMA
<b>State/Country:</b>	JAPAN

**PROPERTY NUMBERS Total: 26**

Property Type	Number
Application Number:	15374730
Application Number:	15223364
Application Number:	15233331
Application Number:	10399343
Application Number:	11908380
Application Number:	14796399
Application Number:	15690912
Application Number:	11278974
Application Number:	11560098
Application Number:	15434994
Application Number:	14826832
Application Number:	15196316
Application Number:	12255279
Application Number:	12107219
Application Number:	15244824
Application Number:	14814747
Application Number:	15638451
Application Number:	14302531
Application Number:	15287067
Application Number:	12616633
Application Number:	15403350

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Property Type	Number
Application Number:	13264641
Application Number:	15638458
Application Number:	15240255
Application Number:	14201342
Application Number:	15666163

**CORRESPONDENCE DATA**

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<b>ATTORNEY DOCKET NUMBER:</b>	09792909-000261
<b>NAME OF SUBMITTER:</b>	PAULA M. THEISMANN
<b>SIGNATURE:</b>	/Paula M. Theismann/
<b>DATE SIGNED:</b>	12/19/2017

**Total Attachments: 3**

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**ASSIGNMENT**

**WHEREAS, SONY CORPORATION**, a Japanese corporation, with a principal place of business at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan hereinafter referred to as "Assignor," is the current owner of patent applications listed on Schedule A attached hereto;

**WHEREAS, TOHOKU MURATA MANUFACTURING CO., LTD.**, a Japanese corporation, with a principal place of business at 1-1 Shimosugishita, Takakura, Hiwada-machi, Koriyama-shi, Fukushima, Japan, hereinafter referred to as "Assignee," is desirous of acquiring all of Assignors' interests, rights and titles in the same;

**NOW, THEREFORE**, for valuable consideration, the receipt of which is acknowledged, and other good and valuable consideration, **SONY CORPORATION**, by these presents, hereby sells, assigns and transfers unto said Assignee, One Hundred (100%) of **SONY CORPORATION'S** rights, titles and interests in and to and of said patents and patent applications, as well as all patents related thereto and issuing therefrom, and any non-provisional, continuation, continuation-in-part, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted, including the right to claim International Convention priority (hereinafter referred to as "Patent Rights"), the same to be held and enjoyed by the said Assignee for its use, and for its legal representatives and assigns, with all rights to sue and recover for any and all past, present and future infringements to the full end of the term for which said patent is granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

Executed this 17<sup>th</sup> day of November, 2017

SONY CORPORATION

By: 

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

TOHOKU MURATA MANUFACTURING CO., LTD.

SCHEDULE A - InvTitle	AppNumber	FileDate	Pat No.	IssueDate
NON-AQUEOUS ELECTROLYTE BATTERY	15/374,730	Dec. 09, 2016		
POSITIVE ELECTRODE MATERIAL AND BATTERY USING THE SAME	15/223,364	July 29, 2016		
NEGATIVE MATERIAL FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND NONAQUEOUS ELECTROLYTE SECONDARY BATTERY USING NEGATIVE MATERIAL	15/233,331	Aug. 10, 2016		
POLYMER ELECTROLYTE HAVING CARBONATE ESTER AND BATTERY USING SAME	10/399,343	Apr. 16, 2003		
BATTERY	14/756,399	Jul. 10, 2015		
ANODE, BATTERY, AND METHOD OF MANUFACTURING SAME	15/690,912	Aug. 30, 2017		
BATTERY	11/278,974	Apr. 07, 2006		
ANODE MATERIAL, ANODE AND BATTERY	11/560,098	Nov. 15, 2006	9,742,036	Aug. 22, 2017
CURRENT COLLECTOR, NEGATIVE ELECTRODE AND BATTERY	15/434,994	Feb. 16, 2017	9,742,039	Aug. 22, 2017
ANODE AND BATTERY	14/826,832	Aug. 14, 2015		
METHOD OF MANUFACTURING ANODE ACTIVE MATERIAL WITH OXIDE COATING ON ACTIVE PARTICLES	15/196,316	June 29, 2016		
ANODE AND METHOD OF MANUFACTURING THE SAME, AND SECONDARY BATTERY	12/255,279	Oct. 21, 2008		
ANODE ACTIVE MATERIAL AND SECONDARY BATTERY	12/107,219	Apr. 22, 2008		
ANODE AND BATTERY	15/244,824	Aug. 23, 2016		
ANODE AND SECONDARY BATTERY	14/814,747	Jul. 31, 2015	9,748,574	Aug. 29, 2017
ANODE AND SECONDARY BATTERY	15/638,451	June 30, 2017		
ANODE AND SECONDARY BATTERY	14/302,531	June 12, 2014		
NEGATIVE ELECTRODE AND SECONDARY BATTERY	15/287,067	Oct. 06, 2016		
SECONDARY BATTERY AND ANODE	12/616,633	Nov. 11, 2009		
SECONDARY BATTERY AND ANODE	15/403,350	Jan. 11, 2017		
ELECTROLYTE AND SECONDARY BATTERY	13/264,641	Oct. 14, 2011		
LITHIUM ION SECONDARY BATTERY AND ANODE FOR LITHIUM ION SECONDARY BATTERY	15/638,458	June 30, 2017		
SECONDARY BATTERY, BATTERY PACK, ELECTRIC VEHICLE, ELECTRIC POWER STORAGE SYSTEM, ELECTRIC POWER TOOL, AND ELECTRONIC APPARATUS	15/240,255	Aug. 18, 2016		
SECONDARY CELL, METHOD FOR MANUFACTURING SECONDARY CELL, POSITIVE ELECTRODE FOR SECONDARY CELLS, METHOD FOR	14/201,342	Mar. 07, 2014		

TOHOKU MURATA MANUFACTURING CO., LTD.

SCHEDULE A - Inv/Title	App Number	File Date	Pat No.	Issue Date
MANUFACTURING POSITIVE ELECTRODE FOR SECONDARY CELLS, BATTERY PACK, ELECTRONIC DEVICE, AND ELECTRIC VEHICLE	15/666,163	Aug. 1, 2017		
SECONDARY CELL, METHOD FOR MANUFACTURING SECONDARY CELL, POSITIVE ELECTRODE FOR SECONDARY CELLS, METHOD FOR MANUFACTURING POSITIVE ELECTRODE FOR SECONDARY CELLS, BATTERY PACK, ELECTRONIC DEVICE, AND ELECTRIC VEHICLE				

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REEL: 044442 FRAME: 0923

RECORDED: 12/20/2017