

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4700672

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKUMA IIDA	08/29/2017
TAKESHI CHIBA	08/21/2017
SHUNSUKE NITTA	08/13/2017
KAZUHIRO SUGIE	08/07/2017
HIROYUKI JINBO	08/07/2017
RECEIVING PARTY DATA	
Name:	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.
Street Address:	1-61, SHIROMI 2-CHOME, CHUO-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	540-6207
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15703812
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	ppc.docket@ml.jp.panasonic.com
Correspondent Name:	PANASONIC IP MANAGEMENT CO., LTD.
Address Line 1:	7F OBP PANASONIC TOWER
Address Line 2:	1-61, SHIROMI 2-CHOME, CHUO-KU
Address Line 4:	OSAKA, JAPAN 540-6207
ATTORNEY DOCKET NUMBER:	P0625159US01
NAME OF SUBMITTER:	HIROO MAEDA
SIGNATURE:	/Hiroo MAEDA/
DATE SIGNED:	11/22/2017
Total Attachments: 8	
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Panasonic Ref*: P0625159US01
 Japan Firm Name: PIPM Direct
 US Firm Name*: _____

Assignment Form (Oct. 2014)
 Application Serial No. 15/703812
 Japan Firm Ref: P0625159US01
 US Firm Ref: _____

(* must be filled)

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:

Box 1		
Title of Invention: SECONDARY BATTERY STATUS ESTIMATION DEVICE AND STATUS ESTIMATION METHOD		
<i>1. For use when signing Declaration prior to filing U.S. patent application (check only one box below)</i>		
(a) <input checked="" type="checkbox"/> for which an application for U.S. patent has been executed by the undersigned concurrently herewith, or		
(b) <input type="checkbox"/> for which an application for U.S. patent has been executed on the following date(s): _____, or <small>(if Declaration & Assignment are signed on the same day, check (a) and make no entry in the blank; if the Declaration was signed before this Assignment, enter the date(s) on which you signed the Declaration)</small>		
(c) <input type="checkbox"/> for which an International Application has been filed as: <small>(for the PCT-US national entry, check only (c) and enter PCT application number in the right)</small>	PCT Application No. _____	and _____
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WHEREAS, Panasonic Intellectual Property Management Co., Ltd. of 1-61, Shiromi 2-chome, Chuo-ku, Osaka-shi, Osaka 540-6207 Japan

its/their heirs, successors, legal representatives and assigns (hereinafter designated as "Assignee(s)") is/are 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.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations-in-part and reissues thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights of priority created by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, reissues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder, in the United States and in all countries foreign to the United States for the full term or terms thereof.

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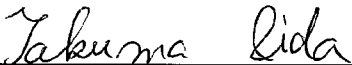
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Box2 (Each Inventor, please Sign and Date below)			
	(e) First Name, Last Name	(f) Signature	(g) Date signed <small>Month, Date, Year</small>
(1)	Takuma IIDA		Aug. 29. 2017 <small>Month, Date, Year</small>
(2)	Takeshi CHIBA		<small>Month, Date, Year</small>
(3)	Shunsuke NITTA		<small>Month, Date, Year</small>
(4)	Kazuhiro SUGIE		<small>Month, Date, Year</small>

■ Check if additional paper(s) is/are attached. Total of 2 pages are submitted.

15 / 703812

ASSIGNMENT (Cont.)

Additional Inventors:

Box2 (Continued)			
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Hiroyuki JIMBO		<i>Month, Date, Year</i>
(6)			<i>Month, Date, Year</i>
(7)			<i>Month, Date, Year</i>
(8)			<i>Month, Date, Year</i>
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(3)	Shunsuke NITTA	
(4)	Kazuhiro SUGIE	

■ Check if additional paper(s) is/are attached. Total of 2 pages are submitted.

15 / 703812

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(6)			<i>Month, Date, Year</i>
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(3)	Shunsuke NITTA	Shunsuke Nitta	Aug. 13, 2017 <small>Month, Date, Year</small>
(4)	Kazuhiro SUGIE		<small>Month, Date, Year</small>

■ Check if additional paper(s) is/are attached. Total of 2 pages are submitted.

15/1703812

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15/703812

ASSIGNMENT (Cont.)

Additional Inventors:

Box2 (Continued)			
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Hiroyuki JIMBO	<i>Hiroyuki Jimbo</i>	Month, Date, Year <i>Aug. 7, 2017</i>
(6)			Month, Date, Year
(7)			Month, Date, Year
(8)			Month, Date, Year
(9)			Month, Date, Year
(10)			Month, Date, Year
(11)			Month, Date, Year
(12)			Month, Date, Year
(13)			Month, Date, Year
(14)			Month, Date, Year
(15)			Month, Date, Year
(16)			Month, Date, Year
(17)			Month, Date, Year
(18)			Month, Date, Year
(19)			Month, Date, Year
(20)			Month, Date, Year
(21)			Month, Date, Year
(22)			Month, Date, Year

Check if additional paper(s) is/are attached. Total of 2 pages are submitted.