PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3043889

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARUKA NAKASONE	07/03/2014
AKIRA BABA	07/03/2014
HITOSHI NOMURA	07/07/2014
YASUHIRO YANAGI	07/03/2014

RECEIVING PARTY DATA

Name: PANASONIC CORPORATION	
Street Address: 1006, OAZA KADOMA, KADOMA-SHI	
City: OSAKA	
State/Country: JAPAN	
Postal Code: 571-8501	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14380326	

CORRESPONDENCE DATA

Fax Number:

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.

Email: kunou.yoshie@kk.jp.panasonic.com

Correspondent Name: PANASONIC CORPORATION
Address Line 1: 2-1-61, SHIROMI, CHUO-KU
Address Line 2: 7F OBP PANASONIC TOWER
Address Line 4: OSAKA, JAPAN 540-6207

ATTORNEY DOCKET NUMBER:	P641481-01
NAME OF SUBMITTER:	CHIKA EDA
SIGNATURE:	/Chika EDA/
DATE SIGNED:	09/30/2014

Total Attachments: 3

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PATENT 502997290 REEL: 033845 FRAME: 0068

Panasonic Ref*: <u>P641481-01</u>	Application Serial No. 14/380326
1st Partner Name: MIYOSHI & MIYOSHI PATENT ATTORNEYS	1st Partner Firm Ref: JPANA-058-PCT-US
US Firm Name*: McDermott, Will & Emery LLP	US Firm Ref:
(* must be filled)	

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:				
Box 1				
Title of Invention:				
VEHICLE-MOUNTED APPARATUS, CHARGER/I	DISCHARGER, ANI	CHARGE/DISCHARGE		
SYSTEM				
1. For use when signing Declaration prior to filing U	J.S. patent application (check on	ly one box below)		
.(a)□ for which an application for U.S. patent has been executed	(a)□ for which an application for U.S. patent has been executed by the undersigned concurrently herewith, or			
(b) for which an application for U.S. patent has been executed on the following date(s): (b) for which an application for U.S. patent has been executed on the following date(s): (c) or dispersion & 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)				
(c) of which an International Application has been filed as: (for the PCT-US national cntry; check only (c) and enter PCT application number in the right) PCT Application No. PCT/JP2013/000945 and,				
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WHEREAS, Panasonic Corporation of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, JAPAN, and

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.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the international Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all litigations regarding, or for the purpose of protecting the right, title and interest in and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee(s) and hereby covenants that the undersigned has (have) full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

The undersigned hereby does sell, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking power of attorney(s) executed by the undersigned in connection with this application and for appointing a new power of attorney in place thereof. The undersigned hereby grant(s) the Assignee(s) and the appointed U.S. patent attorneys and agents 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 Office for recordation of this

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IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

Box2	(Each Inventor, please Sign and Date bel-	ow)	
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Haruka NAKASONE	Haruka Nakasone	Jul. 3, 2014
(2)	Akira BABA	Akira Baba	Jul. 3, 2014
(3)	Hitoshi NOMURA		Month, Date, Year
(4)	Yasuhiro YANAGI		Month, Date, Year

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

document.

Panasonic Ref*: <u>P641481-01</u>	Application Serial No. 14/380326
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(1)	Haruka NAKASONE		Month, Date, Year
(2)	Akira BABA		Month, Date, Year
(3)	Hitoshi NOMURA	Hitoshi Nomura	July . 7, 2014
(4)	Yasuhiro YANAGI		Month, Date, Year

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

and.

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SYSTEM

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