

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the to replace the original assignment documents previously recorded on Reel 025469 Frame 0073. Assignor(s) hereby confirms the Assignment.										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiroyuki JIMBO</td> <td>07/13/2010</td> </tr> <tr> <td>Harumi MUROCHI</td> <td>07/13/2010</td> </tr> <tr> <td>Tomoya KIKUCHI</td> <td>07/13/2010</td> </tr> <tr> <td>Yasuyuki YOSHIHARA</td> <td>07/13/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hiroyuki JIMBO	07/13/2010	Harumi MUROCHI	07/13/2010	Tomoya KIKUCHI	07/13/2010	Yasuyuki YOSHIHARA	07/13/2010
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<b>RECEIVING PARTY DATA</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (202)912-0774  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2029123800        Email: ppc@us.panasonic.com        Correspondent Name: Yoshinobu Idogawa        Address Line 1: 1130 Connecticut Ave., N.W., Suite 1100        Address Line 2: Panasonic Patent Center        Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>											
<b>ATTORNEY DOCKET NUMBER:</b>	P054543-01										
<b>NAME OF SUBMITTER:</b>	Hiroo MAEDA										

CH \$40.00 12918697

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REEL: 025730 FRAME: 0019

**PATENT**

Total Attachments: 4

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Panasonic Ref\*: P054543-01

Application Serial No.

12/918697

Japan Firm Name: SANKYO

Japan Firm Ref: W8343US

US Firm Name\*: MWE

US Firm Ref:

07192-0084

(\* must be filled)

## ASSIGNMENT

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

Box 1

Title of Invention:

ASSEMBLED BATTERY CHARGING METHOD AND BATTERY CHARGING SYSTEM

1. For use when signing Declaration prior to filing U.S. patent application (check only one box below)

(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): \_\_\_\_\_, or  
(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)(c) ☒ for which an International Application has been filed as:  
(for the PCT-US national entry, check only (c) and enter PCT application number in the right)

PCT Application No.

PCT/JP2009/007121 and,

2. For use when signing Declaration after filing U.S. patent application

(d) ☐ for which an application for U.S. patent has been filed on:

Application Filing Date

and,

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 document.

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively.

The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States.

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 below)			
	(e) First Name, Last Name	(f) Signature	(g) Date signed Month, Date, Year
(1)	HIROYUKI JIMBO	HiroYuki Jimbo	July 13, 2010
(2)	HARUMI MUROCHI	Harumi Murochi	July 13, 2010
(3)	TOMOYA KIKUCHI	Tomoya Kikuchi	July 13, 2010
(4)	YASUYUKI YOSHIHARA	Yasuyuki Yoshihara	July 13, 2010

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

USPTO

12/31/2010 6:08:24 AM PAGE 2/004 Fax Server

TO: YOSHINOBU IDOGAWA COMPANY: 1130 CONNECTICUT AVE., N.W., SUITE 1100



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 28, 2010

PTAS

YOSHINOBU IDOGAWA  
1130 CONNECTICUT AVE., N.W., SUITE 1100  
PANASONIC PATENT CENTER  
WASHINGTON, DC 20036



\*501374627\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 12/10/2010

REEL/FRAME: 025469/0073  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JIMBO, HIROYUKI

DOC DATE: 07/13/2010

ASSIGNOR:

MUROCHI, HARUMI

DOC DATE: 07/13/2010

ASSIGNOR:

KIKUCHI, TOMOYA

DOC DATE: 07/13/2010

ASSIGNOR:

YOSHIHARA, YASUYUKI

DOC DATE: 07/13/2010

P 54543-01

12/9/18, 69.7

MWE

\* please check  
attachments

USPTO

12/31/2010 6:08:24 AM PAGE 3/004 Fax Server

TO: YOSHINOBU IDOGAWA COMPANY: 1130 CONNECTICUT AVE., N.W., SUITE 1100

025469/0073 PAGE 2

ASSIGNEE:

PANASONIC CORPORATION  
1006 OAZA KADOMA, KADOMA-SHI  
OSAKA, JAPAN 571-8501

APPLICATION NUMBER: 12918697

FILING DATE: 08/20/2010

PATENT NUMBER:

ISSUE DATE:

TITLE: ASSEMBLED BATTERY CHARGING METHOD AND BATTERY CHARGING  
SYSTEM

OCRUSER, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

USPTO

12/31/2010 6:08:24 AM PAGE 4/004 Fax Server

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NAME OF SUBMITTER:	Hiroo MAEDA										
Total Attachments: 1 source=Assignment.12918697(P54543-01-Wende)#page1.tif											

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