PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3144146

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AKIKO OKABE	10/07/2014
HIDEAKI OHYAMA	10/03/2014
SHINICHI SUMIYAMA	09/30/2014
YASUSHI NAKAMURA	10/03/2014
KIYOSHI HAYASHI	09/30/2014
HIROKI TAKESHIMA	10/10/2014
FUMIO KATO	10/10/2014

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:	14399145

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 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:	P664923-02
NAME OF SUBMITTER:	CHIKA EDA
SIGNATURE:	/Chika EDA/
DATE SIGNED:	12/11/2014

Total Attachments: 4

PATENT
03/484 EDAME: 0105

503097540 REEL: 034484 FRAME: 0105

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> PATENT REEL: 034484 FRAME: 0106

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		664923-02					P664923-02/MM
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US Firm (* musi be fille	Name*: :d)	MWÉ		ÇC	7 200 100		
			ASSIGN	IMENT			
WHEREA	S, the under	signed has (have) invented the	Invention entitled:			<u> </u>	
Box 1 Title of In	vention:		<u></u>				
ALL OV DO	NOTE FOI	R ELECTRODES, NEGATIVE METAL HYDRIDE STORAGE	BATTERY INCLUDI	NG THE SAME			
		1. For use when signing De					
•		pplication for U.S. patent ha				arrently nerew	
(b)□ for v	which an a	pplication for U.S. patent ha are signed on the same day, check (a) and m	as been executed ake no entry in the blank; if th	on the followir e Declaration was sign	ng date(s):_ ned before this Assig	gnment, enter the date	(s) on which you signed the Declaration)
(c) for	which an I	nternational Application has	s been filed as: number in the right)	PCT Applica	tion No.		PCT/JP2014/000861
		<u>2. Far use w</u>	hen signing Declaration			on	
(d)□ for	which an a	pplication for U.S. patent h	as been filed on:	Application I	Filing Date		and,
		nasonic Corporation of 1006, iors, legal representatives and					
disclosing thereof in priority cru reissues a United St. The all papers for Proteic concerning and produtitle and it legal produittle under The issue pat and here (have) no The attorney(The undefurther it document The United IN	the United Seated by this and reexaminates and in a undersigner and documetion of Industrial and documetion of Industrial and provided in application: a continuous proposition of Industrial and application: a continuous proposition of Industrial and Industrial	d to; (i) said invention in the Or and in all countries foreign to thion, including provisionals, ristates and all countries foreign is patent application under any tination certificates which may lail countries foreign to the United agree(s) to execute all pape ents and perform any act which is the countries foreign to the United agree(s) to execute all pape cation or any and all Related Acce and proceeding with such indicts to said invention, this application that he assignee(s) may deen ad agree(s) to perform all affirm the sast the Assignee(s) may deen ad agree(s) to perform all affirm and the proceeding with the sastignment had not been may and all Letters Patent(s) and will not execute, any assign by the undersigned in connect eby grant(s) the Assignee(s) and which may be necessary or content of the proceeding that the abed hereby agree(s) that the abed hereby agree(s) that the undersignee that the abed hereby agree(s) that the abed hereby agree(s) that the undersignee(s) that the abed hereby agree(s) that the abed hereby agree(s) that this Acceptance is the proceeding that the abed hereby agree(s) that the undersignee that this Acceptance is that the undersignee that the abed hereby agree(s) that the abed hereby agree(s) that the undersignee that the abed hereby agree(s) that the acceptance is the proceeding that the proceeding that the proceeding that the proceeding the proceeding the proceeding that the proceeding the proceeding the proceeding	to the United States treaty relating thereto be granted therefore ed States for the full rs necessary in control may be necessary in control may be necessary ements, all papers applications thereof anterference, and for ation and any and altreof, for the benefit in necessary or expenative acts which materiely conveyed to the decessary or expenative acts which materiely conveyed to the decessary or expenative acts which materiely conveyed to the decessary or expenative acts which materiely conveyed to the decession from said a guest(s) the Commister unto suit of the appointed U.S. desirable in order to ove obligations shall ssignment shall be condersigned on the dated	(hereinafter des (herei	signated as "Find all Letters to sue for pastereof. application a with claims connection with the Asterions or Letters and also to the to obtain a gis fully and errances in conting a new bys and agent agent and agent a	Related Applicate Patent(s), inclust and future information and all or provisions of the any interfere signee(s) in eving, or for the paters Patent(s) the execute separate arant of a valid latirely as the sall of all foreignated Application in assigned, and exclusive author power of attomation at the power to the U.S. Patent the law of the	tions"), along with all rights of ding all renewals, extensions, fringement thereunder, in the Related Applications thereof, the International Convention ance which may be declared ery way possible in obtaining urpose of protecting the right, herefore, and to testify in any te assignments in connection. United States and any foreign ame would have been held by an countries, whose duty is to as thereof to said Assignee(s) and that the undersigned has thority for revoking power of ney in place thereof, insert on this assignment any Office for recordation of this and collectively, appropriate jurisdiction within
Box2	(Each Inve	ntor, please Sign and Date borst Name, Last Name	elow)	(f) Signatu	ıre		(g) Date signed
(1)	(e)_11	Akiko OKABE	abile	m e	0		Month, Dale, Year Oct. 7, 2014 Month, Date, Year
(2)		Hideaki OHYAMA	1-lido	aki	Oh	nma	Oct. 3.2014
			1 1.00		/-		Month, Dale, Year

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

Shinichi SUMIYAMA

Yasushi NAKAMURA

(3)

(4)

Month, Date, Year

2014

Oct

Yasushi

Nahamura

ASSIGNMENT (Cont.)

Additional Inventors: 14/399145

Continued)	(A. O.)	(g) Date signed
(e) First Name, Last Name	(f) Signature	(g) Date signed
Kiyoshi HAYASHI		
		Month, Date, Year
Hiroki TAKESHIMA	Hiroki Takoshines	0c7 (0.2016 Month, Date, Year
Fumia KATO	Fumio Kato	Oct, 10, 2014 Month, Date, Year
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	(e) First Name, Last Name Kiyoshi HAYASHI Hiroki TAKESHIMA	(e) First Name, Last Name Kiyoshi HAYASHI Hiroki TAKESHIMA Fumio KATO Himio Kato Himio Kato

□Check if additional paper(s) is/are attached. Total of __2_ pages are submitted.

Panasonic Ref*: <u>P664923-02</u>	Application Serial No/_	4/399145
1st Partner Name: ISHII PATENT OFFICE	1st Partner Firm Ref:	P664923-02/MM
US Firm Name*: <u>MWE</u>	US Firm Ref:	
40010	LIBERT	

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:		
Box 1		
Title of Invention: ALLOY POWDER FOR ELECTRODES, NEGATIVE ELECTRODE FOR SAME, AND NICKEL-METAL HYDRIDE STORAGE BATTERY INCLUDI	NG THE SAME	
1. For use when signing Declaration prior to filing t	J.S. patent application (check only	one box below)
(a)□ for which an application for U.S. patent has been executed		
(b) for which an application for U.S. patent has been executed (if Declaration & Assignment are signed on the same day, check (a) and make no entry in the blank: If it	on the following date(s): e Declaration was signed before this Assign	nem, 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/JP2014/000861
2. For use when signing Declaration	n 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

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

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

30x2	(Each Inventor, please Sign and Date t	oelow)	() 5 () ()
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Akiko OKABE		Month, Date, Year
(2)	Hideaki OHYAMA		Month, Date, Year
(3)	Shinichi SUMIYAMA	Shinichi Sumiyama	Sep. 30, 201
(4)	Yasushi NAKAMURA		Month, Date, Year

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

ASSIGNMENT (Cont.)

Additional Inventors:

14/3	9	9	/	45
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	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Kiyoshi HAYASHI	Riyoshi Kayashi	Septem boay 30, 20 Manth, Date, Year
(6)	Hiroki TAKESHIMA		Mann, Dale, 1401
(7)	Fumio KATO		Month, Date, Year
(8)			Month, Date, Year
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