503155974 01/28/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3202587

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YU OTSUKA	12/02/2014
YUKINARI INOUE	12/19/2014
HIRAKU HAMANAKA	12/25/2014
MITSUAKI TERUI	12/19/2014
HIROSHI FUJITA	12/19/2014
GORO HISATAKE	01/06/2015

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:	14578993	

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:	P670647-02
NAME OF SUBMITTER:	CHIKA EDA
SIGNATURE:	/Chika EDA/
DATE SIGNED:	01/28/2015

Total Attachments: 6

PATENT REEL: 034836 FRAME: 0467

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PATENT REEL: 034836 FRAME: 0468

			Assignment Form 3.0 (Oct. 2008)
Panasonic Ref*: <u>P670647 - 0 2</u>			al No. 14/578993
Japan Firm Name: IPSG(R&D)			P670647
US Firm Name*: PPC		US Firm Ref:	
	ASSIG	MENT	
WHEREAS, the undersigned has (have) inven	ted the invention entitled:		
Title of invention:			
WEARABLE ELECTRONIC DEVICE			
1. For use when sign	ing Declaration prior to filing t	J.S. patent application (check on	ly one box below)
(a) ■for which an application for U.S. pate	ent has been executed	by the undersigned concu	rrently herewith, or
(b) ☐ for which an application for U.S. pat if Declaration & Assignment are signed on the same day, check (ent has been executed a) and make no entry in the blank: if th	on the following date(s):_ ie Declaration was signed before this Assi	or of pument, enter the date(s) on which you signed the Declaration)
(c) ☐ for which an International Application (for the PCT-US national entry, check only (c) and enter PCT ap	n has been filed as: Oplication number in the right)	PCT Application No.	and,
		Application Filing Date	and,
(d)□ for which an application for U.S. pat			me, Chuo-ku, Osaka-shi, Osaka 540-6207
be legally bound hereby, the undersigned, by title and interest in and to; (i) said invention in as the United States) and in all countries foreid disclosing said invention, including provision thereof in the United States and all countries for priority created by this patent application under reissues and reexamination certificates which United States and in all countries foreign to the The undersigned agree(s) to execute all all papers and documents and perform any art for Protection of Industrial Property or similar concerning this application or any and all Reference and proceeding with stitle and interest in and to said invention, this itegal proceeding relating thereto and in supposition that the undersigned agree(s) to perform all patent(s) to the Assigned(s) and to vest all right undersigned if this Assignment had not be The undersigned hereby authorize(s) a issue patents, to issue any and all Letters Patent hereby covenants that the undersigned (have) not executed, and will not execute, any The undersigned hereby does sell, as attorney(s) executed by the undersigned in companies that the undersigned in companies that the undersigned in companies that the undersigned hereby does sell, as attorney(s) executed by the undersigned in companies. The undersigned hereby agree(s) that the undersigned hereby agree(s) that the United States. IN WITNESS WHEREOF, executed by the Box2 (Each Inventor, please Sign and Date (e) First Name, Last Name	these presents, does self, the United States of American to the United States; are nais, non-provisionals, cooreign to the United States and the United States are not to the United States and the United States are not the United States for the full papers necessary in common to which may be necessary agreements, all papers ated Applications thereof a such interference, and for application and any and all out thereof, for the benefit of deem necessary or experiently of the papers affirmative acts which makes thereby conveyed to the neade. Indicate the commission of the commission of the control of t	assign and transfer unto sake a, its territories, dependencial (ii) this patent application a niversions, divisions, continuations, divisions, continuations, divisions, continuations, and (iii) any and all Letters, and all rights to sue for pastern or terms thereof, and all rights to sue for pastern or terms thereof, and all rights to sue for pastern or terms thereof, and all rights to sue for pastern or terms thereof, and to cooperate with claims of necessary in connection with claims of necessary in connection with and to cooperate with the Assary and all litigations regarding. I Related Applications or Letter of Assignee(s), and also to edient, and also to edient, and also to edient, and all relation or any and all Relation and for appointing a new as patent attorneys and agent comply with the rules of the apply to the undersigned botonstrued in accordance with the(s) following the undersigned (f) Signature	es and possessions (hereinafter designated and any and all related patent application(s) tations, continuations-in-part and reissues Related Applications"), along with all rights of Patent(s), including all renewals, extensions, at and future infringement thereunder, in the and any and all Related Applications thereof, or provisions of the International Convention hany interference which may be declared signee(s) in every way possible in obtaining and, or for the purpose of proteoling the right, ters Patent(s) therefore, and to testify in any execute separate assignments in connection rant of a valid United States and any foreign direly as the same would have been held by alls of all foreign countries, whose duty is to sted Applications thereof to said Assignee(s) sin assigned, and that the undersigned has flict herewith. I exclusive authority for revoking power of power of attorney in place thereof. In the power to insert on this assignment any et U.S. Patent Office for recordation of this the individually and collectively. (g) Date signed Manth, Date, Year
	yn Ost	Iulea	Vee, 2, 2014 Month, Dato, Year
(2) Yukinari INOUE			North Cata Vaca
(3) Hiraku HAMANAKA			Month, Date, Year

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

Mitsuaki TERUI

(4)

Month, Date, Year

Panasonic Ref*:	P670647	

ASSIGNMENT (Cont.)

Additional Inventors:	14/578993
-----------------------	-----------

ontinued)		
(e) First Name, Last Name	(f) Signature	(g) Date signed
Hìroshi FUJITA		Month, Date, Year
Goro HISATAKE		Month, Date, Year
		Month, Dale, Year
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		Month, Date, Year
		Month, Dale, Year
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		Month, Date, Year
	<u> </u>	Month, Date, Year
	Hiroshi FUJITA	Hiroshi FUJITA

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

Panasonic Ref*: _	P670647 -02	Application Serial No. 14/578993
Japan Firm Name:	IPSG	Japan Firm Ref: <u>P6706</u> 47
US Firm Name*: _	PPC	US Firm Ref:
(· musi ve futea)		

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:		
Box 1		
Title of Invention:		
WEARABLE ELECTRONIC DEVICE		
1. For use when signing Declaration prior to filing t	U.S. patent application (check on	ly one box below)
(a)■for which an application for U.S. patent has been executed	by the undersigned concu	irrently herewith, or
(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 the	on the following date(s):_ he Declaration was signed before this Assi	gnment, 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.	and,
2. For use when signing Declaration	n after filing U.S. patent application	ол
(d)□ for which an application for U.S. patent has been filed on:	Application Filing Date	and,

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.

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	
(1)	Yu OTSUKA		Month, Data, Year	
(2)	Yukinari INOUE	Yukinari Inoue	Month, Date, Year Dec. 19, 2014	
(3)	Hiraku HAMANAKA	Hiraku Hamanaka	Dec. 25, 2014	
(4)	Mitsuaki TERUI	Mitsvaki Terni	Month, Date, Year Pec. 19, 20 14	

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

Panasonic Ref*:	P670647	

ASSIGNMENT (Cont.)

14/578993 Additional Inventors: Box2 (Continued) (f) Signature (e) First Name, Last Name (g) Date signed Month, Date, Year (5) Hiroshi FUJITA Month, Date, Year Down Hisatake Jan, 6, 2015 Month, Date, Year (6) Goro HISATAKE (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)

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

Panasonic Ref*: _	P670647 →0 →	
Japan Firm Name:	IPSG	Јарап Firm Ref: <u>Р670647</u>
US Firm Name*:	PPC	US Firm Ref:

ASSIGNMENT

Box 1			
Title of Invention:		Y M	
WEARABLE ELECTRONIC DEVICE			
1. For use when signing Declaration prior to filing t	J.S. patent application (check on	ly one box below)	
(a)■for which an application for U.S. patent has been executed	by the undersigned concu	rrently herewith, or	
(b) for which an application for U.S. patent has been executed on the following date(s): (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 dote(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.	and,	
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(d)□ for which an application for U.S. patent has been filed on:	Application Filing Date	and,	

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Box2	(Each Inventor, please Sign and Date below)		
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Yu OTSUKA	<u> </u>	Month, Date, Year
(2)	Yukinari INOUE	- May	Month, Date, Year
(3)	Hiraku HAMANAKA		Month, Date, Year
(4)	Mitsuaki TERUI		Manth, Date, Year

■Check if additional paper(s) is/are attached. Total of ___2_ pages are submitted.

Panasonic	Ref*:	P670647	
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ASSIGNMENT (Cont.)

dditional Inventors:	14/578993

	ional Inventors: (Continued)		14/5/8/93
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Hiroshi FUJITA	Hiroshi Fijita	Month, Date, Year Dec , 19 - 2014 Month, Date, Year
(6)	Goro HISATAKE	, ,	Month, Date, Year
(7)			Month, Date, Year
(8)			Month, Date, Year
(9)			Month, Date, Year
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□Check if additional paper(s) is/are attached. Total of 2 pages are submitted.