10/12/2018 505139674

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROYUKI KINOSHITA	10/03/2018
TSUYOSHI KITAGAWA	09/20/2018
SHINGO YAMASHITA	10/02/2018
TOSHIHIKO OGURA	10/02/2018
YUKI KATO	10/03/2018

RECEIVING PARTY DATA

Name:	OMRON HEALTHCARE CO., LTD.
Street Address:	53, KUNOTSUBO, TERADO-CHO, MUKO-SHI
City:	куото
State/Country:	JAPAN
Postal Code:	617-0002

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16159008

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	PATRICIA T HILL
SIGNATURE:	/PATRICIA T HILL/
DATE SIGNED:	10/12/2018

Total Attachments: 4

PATENT REEL: 047150 FRAME: 0911

505139674



PATENT REEL: 047150 FRAME: 0912

ASSIGNMENT

In consideration of good and valuable consideration paid to each of the

undersigned Hirovuki KINOSHITA, Tsuyoshi KITAGAWA, Shingo YAMASHITA, Toshihiko Insert Name(s) OGURA and Yuki KATO Inventor(s) the undersigned hereby sell(s) and assign(s) to Insert Name(s) OMRON HEALTHCARE CO., LTD. Assignce(s) of 53, KUNOTSUBO, TERADO-CHO, MUKO-SHI, KYOTO 617-0002 JAPAN Address (hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as Title of Invention PULSE WAVE DETECTION DEVICE, BIOLOGICAL INFORMATION MEASUREMENT DEVICE, AND CONTROL METHOD FOR PULSE WAVE DETECTION DEVICE The undersigned agree(s) to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. The undersigned agree(s) to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding. The undersigned agree(s) to execute 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, which includes the right to claim priority and the right to be granted a patent in any PCT Contracting State. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee. The undersigned hereby authorize(s) and request(s) the USPTO to issue any and all Letters Patents of the United States resulting from said application or any

> PATENT REEL: 047150 FRAME: 0913

continuation, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and covenant(s) that the undersigned have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of <u>Wenderoth Lind & Ponack, L.L.P.</u>, the power to insert on this document any further identification which may be necessary or desirable.

Executed by the undersigned on the date(s) opposite the undersigned name(s).

(Signature) Tsuyoshi KITAGAWA (Date **Phings Jacobs 10 October 2, 2 1/3** (Signature) Shingo YAMASHITA (Date **Tokal Major Discount** (Signature) Toshihiko OGURA (Date **Tokal Major Discount** (Signature) Yuki KATO (Date (Signature) Yuki KATO (Date			October 7, 2018	
Shingo YAMASHITA (Signature) Shingo YAMASHITA (Date Internation I	(Signature)	Hiroyuki KINOSHITA	į	(Date)
(Signature) Shingo YAMASHITA (Date Toshi/la/la Ogram October 2, 20/8	(Signature)	Tsuyoshi KITAGAWA		(Date)
(Signature) Toshihiko OGURA (Date John Late John Late John Late Cotober 2, 20/8.			***************************************	
(Signature) Toshihiko OGURA (Date Jack Lato October 3 2018	(Signature)	Shingo YAMASHITA	à	(Date)
(Signature) Toshihiko OGURA (Date Jack Lato October 3 2018		Toskilalio Ogum	October Z, Zolb	*
(Signature) (Date Witness (optional)	(Signature)			(Date)
(Signature) (Date Witness (optional)		Jeki Vato	October 3, 2018	
Witness (optional)	(Signature)	Yuki KATO		(Date)
Witness (optional)				
Witness (optional)	(Signature)		7	(Date)
	Witness (optic	onal)		
The above application may be more particularly identified as follows:	Witness (option	mal)		
	The	above application may be more particularly ide	entified as follows:	
U.S. Application Serial No.: Filing Date: Applicant Reference Number: Attorney Docket No.:				

ASSIGNMENT

In consideration of good and valuable consideration paid to each of the undersigned Hiroyuki KINOSHITA, Tsuyoshi KITAGAWA, Shingo YAMASHITA, Toshihiko Insert Name(s) OGURA and Yuki KATO αf Inventor(s) the undersigned hereby sell(s) and assign(s) to Insert Name(s) OMRON HEALTHCARE CO., LTD. nf Assignee(s) of 53, KUNOTSUBO, TERADO-CHO, MUKO-SHI, KYOTO 617-0002 JAPAN Address (hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as Title of Invention PULSE WAVE DETECTION DEVICE, BIOLOGICAL INFORMATION MEASUREMENT DEVICE, AND CONTROL METHOD FOR PULSE WAVE **DETECTION DEVICE** The undersigned agree(s) to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. The undersigned agree(s) to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding. The undersigned agree(s) to execute 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, which includes the right to claim priority and the right to be granted a patent in any PCT Contracting State. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee. The undersigned hereby authorize(s) and request(s) the USPTO to issue any and all Letters Patents of the United States resulting from said application or any

> PATENT REEL: 047150 FRAME: 0915

continuation, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and covenant(s) that the undersigned have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of <u>Wenderoth Lind & Ponack, L.L.P.</u>, the power to insert on this document any further identification which may be necessary or desirable.

Executed by the undersigned on the date(s) opposite the undersigned name(s).

		(a	
(Signature)			(Date)
	Tsaxoskii Kitagawa	Significan 20,20/8	
(Signature)	Tsuyoshi KITAGAWA		(Date)
(Signature)	Shingo YAMASHITA		(Date)
(Signature)	Toshihiko OGURA		(Date)
(Signature)	Yuki KATO		(Date)
(Signature)			(Date)
Witness (optic	onal)		 :
	onal)		 .:
The a	above application may be more particularly	y identified as follows:	
	on Serial No.:	Filing Date:	

PATENT REEL: 047150 FRAME: 0916

RECORDED: 10/12/2018