505239545 12/17/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT5286315

CONVEYING PARTY DATA

Name	Execution Date
KIN C. FUNG	08/22/2016
TIMOTHY J. DICK	08/23/2016
DHANASHREE PALANDE	08/23/2016

RECEIVING PARTY DATA

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Internal Address:	MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16221800

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NAME OF SUBMITTER: ERIK J. OVERBERGER

SIGNATURE: /Erik J. Overberger/

DATE SIGNED: 12/17/2018

Total Attachments: 3

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PATENT 505239545 REEL: 047793 FRAME: 0511

Attorney Docket No.: HRA-36274.06

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, the undersigned, **Kin C. Fung** of Dublin, OH, **Timothy J. Dick** of Dublin, OH and **Dhanashree Palande** of Dublin, OH, ("Inventor(s)") who has/have created a certain invention for which a U.S. Patent Application has been

executed concurrently herewith
executed on
filed August 12, 2016, and assigned Application Serial No. 15/235808

and is entitled

SYSTEM AND METHOD FOR CAPTURING AND DECONTAMINATING PHOTOPLETHYSMOPGRAPHY (PPG) SIGNALS IN A VEHICLE

hereby sell, assign and transfer to Honda Motor Co., Ltd., ("Assignee"), having a place of business at No. 1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, Japan, its successors, assigns, nominees or other legal representatives, the full, exclusive, entire worldwide rights, title and interest in, to, and under said invention as described and claimed in said application, including any provisional application(s) from which it claims priority, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, nominees, or other legal representatives, to the end of the term or terms for which said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held and enjoyed by Inventor(s) if this assignment and sale had not been made; all of the entire rights, title and interest in and to said invention and said application, and all original and reissued patents granted for said invention, and all divisions, reissues, continuations-in-part, and continuations of said application, including the subject matter of any and all claims which may be obtained in every patent, and the right, where such right can be legally exercised, in Assignee's own name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention and the Patent Cooperation Treaty as fully and entirely as Inventor(s) could have done if the foreign application had been filed in the names of the Inventor(s), and the entire interest in any Letters Patent which may be granted on any such application in such foreign countries, and Inventor(s) authorize(s) and request(s) the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty is to issue patents on applications as aforesaid, to issue the said Letters Patent to Assignee, its successors, assigns, nominees, or other legal representatives, as Assignee and owner of the said entire rights, and Inventor(s) covenant(s) that Inventor(s) has/have the full right to convey the said entire interest herein assigned and that Inventor(s) has/have not executed and will not execute any agreement in conflict herewith, and Inventor(s) will communicate to Assignee, its successors, assigns, nominees, or other legal representatives all facts known to Inventor(s) respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and

> PATENT REEL: 047793 FRAME: 0512

deliver all divisional, continuing, and reissue applications, make all rightful oaths or declarations, and do all lawful acts requisite for the application for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when Assignee, its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, Inventor(s) will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer, and

Inventor(s) further covenant(s) and agree(s) that Inventor(s) will, at any time upon request, do everything possible to aid Assignee, its successors, assigns, nominees, or other legal representatives, either in the name of Inventor(s) or Assignee, to apply for. obtain, and enforce proper patent protection for said invention in all countries, according to the International Convention and the Patent Cooperation Treaty, and all the laws and treaties in force, all without further consideration but at the expense of Assignee, its successors, assigns, nominees, or other legal representatives.

Signed at the City of <u>RAYMOND</u> on this <u>22</u> day of <u>AUGUST</u>	State of <u>OHTO</u> , 20 <u>/6</u> .
	Kin C. Fung
State of OHIO)
County of UNSON)ss:)
On this 2200 day of AUGUS personally came Kin C. Fung, to me kexecuted the foregoing instrument, and WESLY A. ALIGATIORNEY AT LAW NOTARY PUBLIC STATE OF OHIO My Comm. Has No Expiration Date Section 147.03 R. C.	known to be the individual described in and who

Signed at the City of <u>RAHMOND</u> on this <u>23th</u> day of <u>AUGUST</u>	State of OHTO
on this 23 rd day of <u>Au6uSt</u>	, 20 <u>/6</u> .
	Timothy J. Dich
	Timothy J. Dick
State of OHIO))ss:
County of UNION)
On this 23°D day of AUGUS personally came Timothy J. Dick, to me executed the foregoing instrument, and WESLY A. ALIG ATTORNEY AT LAW NOTARY PUBLIC STATE OF OHIO My Comm. Has No Expiration Date Section 147.03 R. C.	2016 before me known to be the individual described in and who acknowledged execution of the same. Notary Public
Signed at the City of <u>RAYMOND</u> on this <u>23^{MB}</u> day of <u>AUGUST</u>	State of <i>Ortīo</i> , 20 <u>/6</u> .
on this <u>23</u> day of <u>A08031</u>	
	Dhanashree Palande
	Dianasinee raidinge
State of OHIO	
County of UNIXON)SS:
	to me known to be the individual described in the inent, and acknowledged execution of the same.
WESLY A. ALIG ATTORNEY AT LAW NOTARY PUBLIC STATE OF OHIO My Comm. Has No Expiration Date Section 147.03 R. C.	Notary Public

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RECORDED: 12/17/2018