504245974 02/27/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
YOICHI KOWATARI	02/07/2017	
YUKIHIRO KAWAMATA	02/06/2017	
YOSHIHIRO INANOBE	02/22/2017	
MORITAKA OOTA	02/13/2017	

RECEIVING PARTY DATA

Name:	HITACHI CONSTRUCTION MACHINERY CO., LTD.
Street Address:	16-1, HIGASHIUENO 2-CHOME, TAITO-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	110-0015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15506871

CORRESPONDENCE DATA

Fax Number: (703)684-1157

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.

Phone: 703-684-1120

Email: svannarath@mmiplaw.com **Correspondent Name:** MATTINGLY & MALUR, PC Address Line 1: 1800 DIAGONAL ROAD

Address Line 2: SUITE 210

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	TAK-10872
NAME OF SUBMITTER:	JOHN R. MATTINGLY
SIGNATURE:	/John R. Mattingly/
DATE SIGNED:	02/27/2017

Total Attachments: 3

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ASSIGNMENT

As a below named inventor, I hereby declare that:
IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me, a citizen of

4) Martaka Obta 2/13/2017

Moritaka OOTA

ASSIGNMENT

'As a	below named inventor, I hereby declar	e that:			
110-	IN CONSIDERATION of the sum ideration paid to me, a citizen of <u>Japan</u> IGNEE), a corporation organized under 0015, <u>Japan</u> , receipt of which is hereby us, all my right, title and interest, in and filed	, by <u>Hitachi Construct</u> Hithe laws of <u>Japan</u> , lock And acknowledged I do he And the United States	ction Machinery Cated at 16-1, I are self and assistant	Co., Ltd. (hereinafter refe Higashiueno 2-chome, Tai gn to said ASSIGNEE, its	erred to as to-ku. Tokvo
S	SURROUNDINGS MONITO	ORING DEVICE	OF VEHICI	E	
Unit gran Pater full e	nted by me (if only one is named below ed States Letters Patent therefor, execut ted therefor, and all divisions, continual at when granted, to be held and enjoyed and of term for which said Letters Paten yed by me or us if this assignment and s	ted on even date herewations and extensions the last said ASSIGNEE, it may be granted, as fusale had not been made	ith, and all United ereof, said interes ts successors, assi lly and entirely as	I States Letters Patent whi t being the entire ownersh igns or other legal represes s the same would have bee	ch may be ip of said Letters ntatives, to the in held and
conti	And I hereby agree to sign and exe er in the prosecution of the above-name muation-in-part, substitute, divisional, r ference proceedings, or otherwise to see	ed application or in the renewal, reviewed or re	preparation and p issue applications	rosecution of any continu	ing.
furth Trad knov	Whereby, I hereby grant the law fir er identification which may be necessar emark Office for recordation of this do vn.	ry or desirable in order	to comply with the	ie rules of the United State	es Patent and
	And I do hereby authorize and requ	est the Commissioner	of Patonts to issue	a gaid I affara Patant ta aai	A ACCIONIDE
		•	of Falcuis to issu	e salu leneis faicht to sai	d Assignee.
	Signed on the date(s) indicated asid	Ū			
	INVENTOR	Date Sign	ed	•	
		•	•	•	•
1) .	Yoichi KOWATARI		· · · · · · · · · · · · · · · · · · ·	•	
	10km kowataki				
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2)	yukihira Kawamata	2/6/20	17	<u> </u>	
	Yukihiro KAWAMATA				
3)			*.		
- •	Yoshihiro INANOBE			-	
		•	,		·
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Moritaka OOTA

ASSIGNMENT

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me, a citizen of Igan, by Hitachi Construction Machinery Co., Ltd. (hereinafter referred to as ASSIGNEE), a corporation organized under the laws of Igan, located at 16-1, Higashiueno 2-chome, Taito-ku, Tokyo 110-0015, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said ASSIGNEE, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to application serial no.

, filed

, and entitled:

SURROUNDINGS MONITORING DEVICE OF VEHICLE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, said interest being the entire ownership of said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

Whereby, I hereby grant the law firm of MATTINGLY & MALUR, P.C., 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 United States Patent and Trademark Office for recordation of this document, including inserting the application serial number and filing date when known.

Date Signed

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said ASSIGNEE.

Signed on the date(s) indicated aside signatures:

INVENTOR

PATENT REEL: 041381 FRAME: 0719

RECORDED: 02/27/2017

Moritaka OOTA