505503081 05/31/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
TING ZHANG	05/30/2019		
KIYOTAKA KAWASHIMA	05/30/2019		

RECEIVING PARTY DATA

Name:	HONDA MOTOR CO., LTD.			
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Internal Address:	MINATO-KU			
City: TOKYO				
State/Country:	JAPAN			
Postal Code:	107-8556			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16428017

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	HRA-45522
NAME OF SUBMITTER:	ERIK J. OVERBERGER
SIGNATURE:	/Erik J. Overberger/
DATE SIGNED:	05/31/2019

Total Attachments: 4

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PATENT 505503081 REEL: 049331 FRAME: 0904

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PATENT REEL: 049331 FRAME: 0905

WHEN REC	CORDI	ED R	ETURN	TO:
RANKIN,	HILL	8. C	LARK	LLP

PATENT APPLICATION

Docket No.: HRA-45522

ASSIGNMENT

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made an invention entitled

SYSTEM AND METHOD FOR PROVIDING POINT OF INTEREST RELATED NOTIFICATIONS

Preferred embodiments of said invention are disclosed in a United States patent application which:

X Is executed concurrently herewith for filing in the United States Patent and Trademark Office and has been assigned Application Serial No. with a filing date of

Was previously filed in the United States Patent and Trademark Office

On as Application Serial No.

Is a United States National Application of PCT International Application

ku uar<mark>.No</mark>kasal aa **filed** bar kul aharoma da katuraharun ag da asaangan gal k_ayay da guyay aaba

(The undersigned hereby grants to the attorneys of

RANKIN, HILL & CLARK LLP

and Honda Patents & Technologies North America, LLC the power to insert on this assignment any identification that 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 but not limited to the application number and filing date, if not already provided in this document.)

ASSIGNMENT HRA-45522

WHEREAS, The Assignee, Honda Motor Co., Ltd., having a principal place of business at

1-1, Minami-Aoyama 2-Chome, Minato-ku, Tokyo, 107-8556, Japan

desires to secure the entire right, title, and interest, throughout the world, in, to, and under said invention and the patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said invention and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said invention by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any invention, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same, including the right to claim the benefits of the International Convention for such applications.

ASSIGNMENT HRA-45522

PATENT REEL: 049331 FRAME: 0907

This assignment an representatives.	d agreement	shall b	e binding	upon	Assignor's	heirs	and	lega
Inventor 1 Name:								
Ting Zhang								
Inventor's signature:	Ty 2	hanj	Date:		5/30/2	2(9		

ASSIGNMENT HRA-45522

PATENT REEL: 049331 FRAME: 0908

This	assignment	and	agreement	shall	be	binding	upon	Assignor's	heirs	and	legal
repre	sentatives.										

Inventor 2 Name:

Kiyotaka Kawashima

Inventor's signature: 2/2019 Date: 5/30/2019

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PATENT REEL: 049331 FRAME: 0909

RECORDED: 05/31/2019