506422662 12/28/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6469419

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSUKE SHIONOYA	12/11/2020
TOMOAKI TAKI	12/11/2020

RECEIVING PARTY DATA

Name:	Honda Motor Co., Ltd.	
Street Address:	Address: 1-1, Minami-Aoyama 2-chome	
City:	Minato-ku, Tokyo	
State/Country:	JAPAN	
Postal Code:	107-8556	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17132267

CORRESPONDENCE DATA

Fax Number: (248)344-1096

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.

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Correspondent Name: CARRIER, BLACKMAN & ASSOCIATES, P.C

Address Line 1: 22960 VENTURE DRIVE, SUITE 100

Address Line 4: NOVI, MICHIGAN 48375

ATTORNEY DOCKET NUMBER:	CSP-GH-341-A
NAME OF SUBMITTER:	JOSEPH P. CARRIER
SIGNATURE:	/Joseph P. Carrier/
DATE SIGNED:	12/28/2020

Total Attachments: 4

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PATENT 506422662 REEL: 054751 FRAME: 0933

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATIONS

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	VEHIC	LE AND SOFTWAR	E UPDAT	E ME	THOD		
		(Title of the Inv	ention)			******	
As a below named inventor / assignor (hereinafter designted as undersigned), I hereby declare that:							
This declaration is directed to:							
The attached	application,						
OR							
United State	s Application Nu	imber or PCT Interni	atioanl Ap	plicat	ion Nu	mber	
		; filed on					
If the application	If the application is not attached hereto, the application is as identified by the Attorney Docket Number as set forth above.						
The above-ident	ified application	was made or author	ized to be	made	by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.							
I have reviewed and understand the contents of the above-identified application, including the claims.							
~	he duty to disclo Regulations § 1	se information which .56.	h is materi	al to p	patental	oility a	s defined in Title 37
		willful false statement risonment of not mon					
of any foreign International ap below and have inventor's certif	application(s) plication which also identified b	under Title 35, Unite for patent of inve designated at least or selow, by checking to nternational applicat claimed.	ntor's cer ne country he box, an	tificat other y fore	te, or than the eign app	365(a) ie Unit plicatio	of any PCT ed States listed on for patent or
Prior Foreign	Country	Foreign Filing	Priority Certified Copy Attached?				py Attached?
Application		Date (MAM/DD/VVVV)	Not Claimed			NO	
Number(s) 2019-237835							
WOLF WO SUN	03X XX 7 06 3	:			<del> </del>	<u></u>	<u> </u>

PATENT REEL: 054751 FRAME: 0934 I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

	Filing Date (MM/DD/YYYY)

Direct all correspondence to the address associated with Customer Number: 21828

Joseph P. Carrier, Reg. No. 31,748 Fulchand P. Shende, Reg. No. 69,558 Anne G. Sabourin, Reg. No. 33,772

William D. Blackman, Reg. No. 32,397 Jeffrey T. Gedeon, Reg. No. 57,510

SEND CORRESPONDENCE TO: CARRIER, BLACKMAN & ASSOCIATES, P.C. Joseph P. Carrier, William D. Blackman, 22960 Venture Drive - Suite 100 Novi, Michigan 48375 (248) 344-4422

DIRECT TELEPHONE CALLS TO: Fulchand P. Shende, Jeffrey T. Gedeon, Anne G. Sabourin

WHEREAS, in consideration of value received, the undersigned sells and assigns to

#### HONDA MOTOR CO., LTD.

a corporation of JAPAN, having a place of business at

#### 1-1. Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556, JAPAN

respectively, its successors, assigns or nominees, hereinafter referred to as "Assignee", the entire right, title and interest in and to above-identified invention invented by the Assignor and as described in the United States Application Number or PCT Internatioanl Application Number

U.S. Patent Application 17/132,267 filed electronically December 23, 2020

(Serial No. and filing date unknown at time of signing, however, Applicant's representative is specifically authorized to insert the relevant serial No. and filing date in the space above as soon as it becomes known)

and in and to all applications for patent for said invention in all countries, and all divisions, reissues, continuations and extensions of any of said applications, and all rights of priority resulting from the filing of any said applications; and Assignor authorizes and requests any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and Assignor agrees that on request and without further consideration, but at the expense of said Assignee, Assignor will communicate to said Assignee or its representatives any facts known to Assignor respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignce to obtain and enforce a proper patent protection for said invention in all countries.

> **PATENT** REEL: 054751 FRAME: 0935

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby grants the law firm of Carrier Blackman & Associates, PC the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

In witness whereof, executed by the undersigned.

LEGAL NAME OF SOLE OR FIRST INVENTOR: Yosuke SHIONOYA
Inventor's Signature: December 11, 2020
Residence: City: <u>Wako-shi</u> State: <u>Saitama-ken</u> Country: <u>JAPAN</u>
Mailing Address: c/o HONDA R&D CO., LTD., 4-1, Chuo 1-chome,
City: Wako-shi State: Saitama Zip: 351-0193 Country: JAPAN

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## SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF Additional Joint Inventor, if any: Tomoaki TAKI
Inventor's Signature: Zasas Zasas Date: December 11, 2020
Residence: City: <u>Minato-ku</u> State: <u>Tokyo</u> Country: <u>JAPAN</u>
Mailing Address: g/o HONDA MOTOR CO., LTD., 1-1, Minami-Aoyama 2-chome
City: Minato-ku State: Tokyo Zip: 107-8556 Country: JAPAN

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**RECORDED: 12/28/2020**