505192672 11/15/2018

EPAS ID: PAT5239441

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENTARO ISHIDA	10/24/2018
HIROSHI MORIKAWA	10/24/2018

RECEIVING PARTY DATA

Name:	Honda Motor Co., Ltd.	
Street 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:	16191972

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	CSP-GH-116-A
NAME OF SUBMITTER:	JOSEPH P. CARRIER
SIGNATURE:	/Joseph P. Carrier/
DATE SIGNED:	11/15/2018

Total Attachments: 3

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PATENT 505192672 REEL: 047515 FRAME: 0557

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATIONS

					······································
	FUEL CE	LL METAL SEPARA	ATOR AND FU	EL CELL	
······		(Title of the Inv	ention)		<i>d</i>
As a below name	ed inventor / ass	ignor (hereinafter de	signted as unde	rsigned), I he	reby declare that:
This declaration	is directed to:				
The attached	application,				
OR					
United States	s Application Nu	mber or PCT Interna	itioanl Applicat	ion Number	
		; filed on			
If the application as set forth above		hereto, the application	on is as identifie	ed by the Atto	orney Docket Number
The above-ident	ified application	was made or author	ized to be made	by me.	
I believe that I a application.	m the original in	ventor or an original	joint inventor (of a claimed i	nvention in the
I have reviewed	and understand	the contents of the al	ove-identified	application, i	ncluding the claims.
_	he duty to disclo Regulations § 1		n is material to p	patentability	as defined in Title 37,
•		willful false statemer			
of any foreign International app below and have inventor's certif	application(s) plication which a also identified b	nnder Title 35, Unite for patent of inve designated at least or below, by checking the ternational applications.	ntor's certificate country other the box, any fore	te, or 365(a than the Uni eign applicati) of any PCT ited States listed ion for patent or
Prior Foreign	Country	Foreign Filing Date	Priority Not Claimed	Certified C	opy Attached?
Application Number(s)		(MM/DD/YYYY)	140) Claimed	YES	NO
2017-221816	JAPAN	11/17/2017			

PATENT REEL: 047515 FRAME: 0558 I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

U.S. Provisional Application No.	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 16/191,972 filed electronically November 15, 2018

(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 Assignee to obtain and enforce a proper patent protection for said invention in all countries.

> **PATENT** REEL: 047515 FRAME: 0559

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: Kentaro ISHIDA
Inventor's Signature: Winture Office Date: October 24, 2018
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,
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LEGAL NAME OF Additional Joint Inventor, if any: Hiroshi MORIKAWA
Inventor's Signature: Viroshi Morikawa Date: October 24, 2018
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
Additional inventors are being named on the supplemental sheet(s) attached hereto.

PATENT REEL: 047515 FRAME: 0560

RECORDED: 11/15/2018