PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yosuke NONAKA	05/11/2018
Tomoaki KIZUKA	05/11/2018
Satoru FUKAO	05/11/2018
Shigeharu FUJIHARA	05/11/2018
Towa HIRAYAMA	05/11/2018
Hiroyoshi ISHII	05/11/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15775113

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	181288
NAME OF SUBMITTER:	JAMIE WOLFE
SIGNATURE:	/Jamie L. Wolfe/
DATE SIGNED:	06/12/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 046050 FRAME: 0798

504954825

Total Attachments: 2

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> PATENT REEL: 046050 FRAME: 0799

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	Insert	(1)	Yosuke NONAKA	((2)	Tomoaki KIZUKA
(1-8)	Legal Name(s)	(3)	Satoru FUKAO	(4)	Shigeharu FUJIHARA
	of Inventor(s)	(5)	Towa HIRAYAMA	((6)	Hiroyoshi ISHII
		(7)		((8)	
(9)	Insert Name of	the un		officiency of which a consister and set over to	are h	r good and valuable consideration paid to each of nereby acknowledged, each undersigned agrees to
Insert Address of		(10) 1-1. Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670, JAPAN				
	Assignee	(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as				
(11)	Insert Identification such as Title, Case	(11)	GAS ENGINE DRIVE S	YSTEM		
	Number, or Foreign Application Number	(Attor	mey Docket No181288	3), f	filed on even date herewith or as
(12)	Alternative Identification for	(12)	U.S. Application Number	15/775,113		
	filed applications	filed	May 10, 2018			

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of **OLIFF PLC** the power to insert on this assignment any further 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.

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) apposite the undersigned name(s).

Date	13th May, 2018	Inventor Signature	Josefie North	_ (SEAL)	
Date	11th Hay. 20/8	Inventor Signature	Towaki Kizuka	_ (SEAL)	
Date	1/4k May 20/8	Inventor Signature	Satory Tolas Satory FUKAO_ A Local	(SEAL)	
Date	S, F. 18 57/1 	Inventor Signature	Shigeharu FUJIHARA	geharu (SEAL)	Fujihara
Date	11th May 2018	Inventor Signature	Towa HIRAYAMA	(SEAL)	
Date	1142 1104 2015	laventor Signature	Hiroxosh: Ishi:	(SEAL)	
Date		Inventor Signature		" (SEAL)	
Date		Inventor Signature	*	(SEAL)	