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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
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		Name	Execution Date	
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Application Number		4961100	-	
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ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	farest.	 Atsushi S 	IONE (2)
(1-8)	Legsi Name(s)	(3)	(4)
	of Inventor(s)	(5)	{6}
		(7)	(8)
		the undersigned, t	f the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of he receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to o does assign, transfer and set over to
(*)	9) Insert Name of Assignee	(9) TOYOT/	A JIDOSHA KABUSHIKI KAISHA
(10)	insert Address of Assignce	(10) 1, Toyota	-cko, Toyota-shi, Aichi-kon, 471-8571 Japan
		the entire right, tit invention, and in a continuation, inter	uated as the Assigner) and Assigner's heirs, successors, assigns and logal representatives, le and interest for the United States of America as defined in 35 U.S.C. §100, in the all applications for patent including any and all provisional, non-provisional, divisional, mational, substitute and reissue application(s), and all Letters Patent, extensions, reissues a certificates that may be granted on the invention known as
(11)	Insert Identification such as Title, Case Number, or Poreign	(11) <u>EIECIR</u>	IC HWER SIFERING SYSTEM FOR VEHICLE
	Application Number	(Attorney Docket	No. <u>167294</u>), filed on even date herewith or as
(12)	Alternative	(12) U.S. Appli	cation Number 14/961,100
	Identification for		
		filed	

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 Assignce.

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 Assigner and Assigner'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 an 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 faise 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.

PATENT REEL: 037226 FRAME: 0397

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

Date

October 28, 2015

Inventor Signature atsuch' Some (SEAL)

This assignment should preferably he signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date October 28, 2015

October 28, 2015

Witness

Hitoki Asada

Date

Witness

Mosahiro Horikawa