10/16/2015 503527191

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kentaro MUSHIGA	10/08/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14885612	

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SIGNATURE:	/Antoinette Sharp/
DATE SIGNED:	10/16/2015

Total Attachments: 1

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PATENT REEL: 036813 FRAME: 0704 503527191

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

TOYOTA JIDOSHA KABUSHIKI KAISHA

(hereinafter referred to as "ASSIGNEE"), which has a business office at

1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

TEMPERATURE CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

THE HAVE CONTROL DEVICE FOR INTERVEN CONDUCTION ENGINE
(File No) for which I(we) have executed an application for a United States Letters Patent on October 8, 2015 (Application Serial No filed on
2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.
3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1) Kentaro Muhira	Date:	October 8, 2015
Name: Kentaro MUSHIGA Witness: Kelich, Sato		00th 8 2015
Witness: / Puch, Salo	_Date:	October 8, 2015

PATENT REEL: 036813 FRAME: 0705

RECORDED: 10/16/2015