

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3721885

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SATORU ITO	11/27/2015
TAKASHI AMANO	12/01/2015
HIDEFUMI AIKAWA	11/27/2015
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<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	471-8571
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15012972
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<b>ATTORNEY DOCKET NUMBER:</b>	10517/890
<b>NAME OF SUBMITTER:</b>	MICHELLE HUMPHREYS
<b>SIGNATURE:</b>	/Michelle Humphreys/
<b>DATE SIGNED:</b>	02/02/2016
<b>Total Attachments: 3</b>	
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source=10517-890_Assignment#page3.tif	

ASSIGNMENT

WHEREAS, we, Satoru ITO, Takashi AMANO and Hidefumi AIKAWA, citizens of Japan, residing at Sunto-gun, Shizuoka-ken, Japan, Susono-shi, Shizuoka-ken, Japan and Sunto-gun, Shizuoka-ken, Japan, respectively, have invented new and useful improvements in VEHICULAR HEAT MANAGEMENT SYSTEM

\_\_\_\_\_ for which we are about to make application for Letters Patent of the United States, said application having been executed by us on even date herewith; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a Company of Japan, having its place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title and interest in and to the application and the invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW, THEREFORE, for and in consideration of the equivalent sum of One Dollar (\$1.00) to us in hand paid, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned and transferred, and do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America on the invention, any Letters Patent that may issue thereon or therefor, in the United States, and all reissues, extensions, renewals, divisions and continuations thereof, to the full end of the term or terms for which the Letters Patent may be issued, the same to be held and enjoyed by the Assignee,

its successors and assigns, the same as it would have been held and enjoyed by us if this Assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents to issue all such Letters Patent to the Assignee, its successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee, its successors and assigns, to vest in the Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises that we, our executors and administrators, will at any time upon request communicate to the Assignee, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any interference or other litigation when requested so to do by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal  
this 27<sup>th</sup> day of November, 2015.

Satoru Ito  
11.27.2015  
SI  
(Satoru ITO)

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal  
this 1st day of December, 2015.

Takashi Amano  
(Takashi AMANO)

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal  
this 27<sup>th</sup> day of November, 2015.

Hidefumi Aikawa  
(Hidefumi AIKAWA)

WITNESSED BY:

Yasuhiro Oshiumi  
Name Yasuhiro OSHIUMI

.....  
Address