

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZEKAI QIU	10/17/2018
HIRONOBU KITAOKA	10/17/2018
NAOKI YAMAMURO	10/17/2018
KOZO KOSHO	10/17/2018
HIROAKI SUGIYAMA	10/17/2018
MAKOTO IKEGAMI	10/17/2018
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16166041
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NAME OF SUBMITTER:	MICHELLE HUMPHREYS
SIGNATURE:	/Michelle Humphreys/
DATE SIGNED:	10/19/2018

Total Attachments: 2

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**COMBINED DECLARATION
& ASSIGNMENT**

Attorney Docket No.:

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Client Ref. No.:

Title:

ASSIGNMENT

WHEREAS, I, (1)Zekai QIU, (2)Hironobu KITAOKA, (3)Naoki YAMAMURO, (4)Kozo KOSHO, (5)Hiroaki SUGIYAMA, and (6)Makoto IKEGAMI,

of (1)Nisshin-shi, Aichi-ken, Japan, (2)Nisshin-shi, Aichi-ken, Japan, (3)Nagoya-shi, Aichi-ken, Japan, (4)Toyota-shi, Aichi-ken, Japan, (5)Nagoya-shi, Aichi-ken, Japan, and (6)Obu-shi, Aichi-ken, Japan, respectively,

have made one or more new and useful inventions and/or discoveries as described and/or claimed in a United States non-provisional patent application entitled

Vehicle, Thawing System and Server,

filed as application number 16 / 166,041 on

October 19, 2018 (the "Invention")¹; and

WHEREAS, **TOYOTA JIDOSHA KABUSHIKI KAISHA**, a company organized under the laws of **JAPAN**, with a place of business at **1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 JAPAN** (together with its successors and assigns, the "Assignee"), seeks to memorialize its ownership of the entire right, title and interest in and to the Invention;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignee my entire right, title, and interest in and to the Invention, including all inventions disclosed or claimed in the above-identified patent application, including any improvements thereof, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuation-in-part, reexamination, and/or reissue patent), any corresponding foreign applications, all patents issuing thereon, or other patent application based off or claiming priority to the above-identified patent application, and all rights and benefits under any applicable treaty or convention. I authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

I authorize the Assignee to insert in this instrument the filing date and application number of the application when ascertained. I hereby authorize the Assignee (or its designee) to apply for patent (or similar legal protection) in its own name if desired, in any and all countries.

I represent to the Assignee that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I agree when requested, without additional consideration, but at the expense of the Assignee, to provide additional reasonable assistance necessary to memorialize this assignment, to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and will render all assistance in filing, obtaining, maintaining, and enforcing any patent (or similar legal protection) on the Invention in any and all countries.

¹ In the event the Application is not identified in the spaces above by application number and filing date, I hereby authorize and request Hunton Andrews Kurth LLP to insert the application number and filing date of the Application in the spaces above when known.

**COMBINED DECLARATION
& ASSIGNMENT**

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DECLARATION

I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe I am an original or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me. I am aware of and acknowledge my duty to disclose to the USPTO all information known to me to be material to patentability of the claims in the above-identified patent application. I 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.

Zekai QIU

Zekai QIU

Date October 17, 2018

Hironobu KITAOKA

Hironobu KITAOKA

Date October 17, 2018

Naoki Yamamoto

Naoki YAMAMURO

Date Oct 16th, 2018

Kozo Koshu

Kozo KOSHO

Date October 17, 2018

Hiroaki Sugiyama

Hiroaki SUGIYAMA

Date October 17, 2018

Makoto Ikegami

Makoto IKEGAMI

Date October 17, 2018