

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKESHI HORIKAWA	06/06/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DENSO CORPORATION
<b>Street Address:</b>	1-1 SHOWA-CHO, KARIYA-CITY
<b>City:</b>	AICHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	448-8661
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	29654077
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(000)000-0000
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(408) 213-8153
<b>Email:</b>	usdocket@ryuka.com
<b>Correspondent Name:</b>	RYUKA USA LLP
<b>Address Line 1:</b>	111 NORTH MARKET STREET
<b>Address Line 2:</b>	SUITE 300
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95113
<b>NAME OF SUBMITTER:</b>	ADAM S. LANGLEY
<b>SIGNATURE:</b>	/Adam S. Langley/
<b>DATE SIGNED:</b>	06/22/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 1</b>	
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**COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR §1.76) AND ASSIGNMENT**

As the below named inventor, I hereby declare that:

This declaration is directed to:

☒ The attached application, or

☐ United States application or PCT international application No.  
filed on .

The above-identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

WHEREAS I, the undersigned inventor, hereafter also referred to as "assignor", have invented certain new and useful improvements described in the above identified application; and

WHEREAS, DENSO Corporation hereinafter also referred to as "assignee", whose address is 1-1, Showa-cho, Kariya-city Aichi 448-8661 JAPAN, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Conventions of Paris (1883), as amended, of or in any corresponding foreign patent application, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns.

Legal Name of Inventor	Takeshi HORIKAWA		
Inventor's Signature	<i>Takeshi Horikawa</i>	Date	Jun. 06. 2018