

## PATENT ASSIGNMENT COVER SHEET

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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>
TOYOTA JIDOSHA KABUSHIKI KAISHA	09/02/2020
<b>RECEIVING PARTY DATA</b>	
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<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	448-8661
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8723220
Patent Number:	8633101
Patent Number:	10189370
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<b>NAME OF SUBMITTER:</b>	CHARISMA OPARAUGO
<b>SIGNATURE:</b>	/Charisma Oparaugo/
<b>DATE SIGNED:</b>	09/29/2020
<b>Total Attachments: 3</b>	
source=Assignment_Changing_Applicant_TOYOTA_to_DENSO_3rd_List #page1.tif	
source=Assignment_Changing_Applicant_TOYOTA_to_DENSO_3rd_List #page2.tif	
source=Assignment_Changing_Applicant_TOYOTA_to_DENSO_3rd_List #page3.tif	

*submitted 7/8*

ASSIGNMENT

WHEREAS, **TOYOTA JIDOSHA KABUSHIKI KAISHA**, a Japanese company having a place of business at **1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan** (hereinafter "ASSIGNOR"), by reason of an assignment from the inventors which was recorded at the U.S. Patent and Trademark Office is owner of the invention or inventions described in the attached Schedule "A" of U.S. Patent Application Nos. and U.S. Patent Nos., and

WHEREAS, **DENSO CORPORATION**, a Japanese company having its principal place of business at **1-1, Showa-cho, Kariya-city, Aichi-pref, 448-8661 JAPAN** (hereinafter "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title and interest in and to said patent application and the invention or inventions therein described and claimed, and to any Letters Patent that may be granted therefor in the United States in the attached Schedule "A",

NOW, THEREFORE, for and in consideration of the equivalent of One U.S. Dollar (U.S. \$1.00), and other good and valuable consideration furnished by ASSIGNEE to ASSIGNOR, receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby, without reservations:

1. Assigns, transfers, and conveys to ASSIGNEE the entire right, title, and interest owned by ASSIGNOR in and to the Application, any and all inventions and discoveries therein described and/or claimed, and any and all Letters Patent that may be issued upon the Application, or for the inventions or discoveries therein contained, or upon any application based upon or claiming priority to the Application, in any and all countries, including all divisional, continuation, continuation-in-part, renewal, substitute, reissue, reexamination, international (including under the Patent Cooperation Treaty) and Convention applications, and any and all reissues and extensions of Letters Patent granted based upon the Application, for said inventions and discoveries, or upon any application based upon or claiming priority to the Application, and every priority right that is or may be predicated upon or arise from the Application, said inventions and discoveries, or any application based upon or claiming priority to the Application.

2. Authorizes ASSIGNEE to file patent applications in any or all countries for any or all of said inventions and discoveries in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable.

3. Authorizes and requests the Commissioner for Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to ASSIGNEE, as ASSIGNEE of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct.


4. Warrants that ASSIGNOR has not knowingly conveyed to others any right, title or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that ASSIGNOR has good right to assign the same to ASSIGNEE without encumbrance; and that ASSIGNOR is aware of no claim to the contrary.

5. Binds the legal representative, and assign of ASSIGNOR, as well as ASSIGNOR itself, to do, upon the request of ASSIGNEE and at the expense of ASSIGNEE, but without additional consideration to ASSIGNOR, or the legal representative, and assign of ASSIGNOR, all acts reasonably serving to assure that said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by ASSIGNOR, or by the legal representative, and assign of ASSIGNOR, if this assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; to communicate to ASSIGNEE all facts known to ASSIGNOR relating to said inventions and discoveries or the history thereof; and to furnish ASSIGNEE with any and all documents, photographs, models, samples, and other physical exhibits in the control of ASSIGNOR or in the control of the legal representative, or assign of ASSIGNOR which may be useful for establishing the facts of the conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, the undersigned authorized officer of ASSIGNOR has hereunto set his/her hand this 2 day of September 2020.


For ASSIGNOR:

**TOYOTA JIDOSHA KABUSHIKI KAISHA**

By:   
Name: Kenji KAWAGOE  
Title: General Manager, IP Promotion Dept. No. 1  
Intellectual Property Div.

For ASSIGNEE:

**DENSO CORPORATION**

By:   
Name: Yasuhisa KOHMA  
Title: General Manager, Intellectual Property Division

Handwritten mark

### SCHEDULE A

Application No.	Patent No.
13/201791	USP8723220
13/499652	USP8633101
15/312274	USP10189370