

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DENSO CORPORATION	10/01/2021
RECEIVING PARTY DATA		
Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16567301
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NAME OF SUBMITTER:	DARRISAW TATUM	
SIGNATURE:	/Darrisaw Tatum/	
DATE SIGNED:	11/23/2021	
Total Attachments: 3		
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ASSIGNMENT

WHEREAS, DENSO CORPORATION, a company established under the laws of Japan whose address is 1-1, Showa-cho, Kariya-city, Aichi-pref, 448-8661 JAPAN (hereinafter called "Assignor"), is the co-owner of the following Letters Patent(s) and/or patent application(s) (hereinafter called "Patent Properties"), which ownership, to the extent recorded in the United States Patent and Trademark Office, is evidenced at the Reel and Frame(s) indicated below:

Application or Patent Number and Date of Filing or Issue	Named Inventors	Reel and Frame
16/567,301	Yoshihiko SUGAWARA	050342/0075
Filed 09-11-2019		

The undersigned has reviewed all the documents in the chain of title identified above; and to the best of the undersigned's knowledge and belief, title is in the Assignor. The undersigned is empowered to sign this Assignment on behalf of the Assignor.

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a company established under the laws of Japan whose address is 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter called "Assignee"), is co-owner of said Patent Properties and is desirous of acquiring the entire right, title and interest for the entire world, including the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, non-provisional, divisional, continuation, ancestral (e.g., parent), international, foreign, design, confirmation, substitute and reissue application(s) or extensions of the same, as well as any and all applications claiming priority from such applications and any and all applications from which they claim priority.

Now, To All Whom It May Concern: Be it known that for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, unto Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the entire world, including the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), and any and all provisional, non-provisional, divisional, continuation, ancestral (e.g., parent), international, foreign, design, confirmation, substitute and reissue application(s) or extensions thereof, as well as any and all applications claiming priority from such applications and any and all applications from which they claim priority; the same to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of said Patent Properties with the right to sue for and collect the same for its own use and for the use of its successors, assigns and legal representatives.

Assignor agrees that this assignment is binding on Assignor and its successors, assigns and legal representatives.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any Letters Patent of the United States (and the appropriate officer of any relevant foreign country to issue any Patent of such country), resulting from said Patent Properties and any confirmations, divisions, continuations, counterparts, reexaminations, reissues or extensions thereof, to Assignee.

Assignor agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning said Patent Properties (and/or patents that may be granted therefrom), or any confirmation, division, continuation, reexamination or reissue thereof, and to cooperate with Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

Assignor covenants that it has full right to convey its interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

Assignor agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

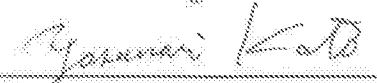
Assignor agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to Assignee.

Assignor grants the firm of OLIFF PLC of Alexandria, Virginia the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office (or other foreign patent office) for recordation of this document.

This Assignment is effective as of the 1st day of October, 2021.



Witness Masayuki YASUDA



Witness Yasunari KATO



Signature
Officer of Assignor

Yasuhisa KOJIMA

Typewritten Name of Officer

General Manager
Intellectual Property Division
DENSO CORPORATION

Title of Officer