

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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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>
EDWARD SZCZEPANSKI	05/15/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DENSO INTERNATIONAL AMERICA, INC.
<b>Street Address:</b>	24777 DENSO DRIVE
<b>City:</b>	SOUTHFIELD
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48086
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16877692
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	0324-000021/US
<b>NAME OF SUBMITTER:</b>	JULIA L. ZAMLER
<b>SIGNATURE:</b>	/julia l zamler/
<b>DATE SIGNED:</b>	05/19/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 1</b>	
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**ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR  
DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)**

Invention Title	METHODS AND SYSTEMS FOR DETECTING AN IMPEDANCE OF A CATALYTIC CONVERTER
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This declaration is directed to:

The attached application, or  
United States application or PCT international application number  
\_\_\_\_\_ filed on \_\_\_\_\_. (I hereby authorize the insertion of the application  
filing date and number into this form when they become known.)

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

I hereby state that I have reviewed and understand the contents of the specification in the above-identified  
application, including the claims.

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

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56,  
including for continuation-in-part applications, material information which became available between the  
filing date of the prior application and the national or PCT international filing date of the continuation-in-part  
application.

Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and  
set over unto DENSO International America, Inc., organized and existing by virtue of the laws of the United  
States of America, having a place of business at 24777 Denso Drive, Southfield, MI 48086, hereinafter  
referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title  
and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention  
including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make  
applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities  
and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election  
(and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and  
filing date of the application to receive Letters Patent herein: Serial No. \_\_\_\_\_,  
Filing Date \_\_\_\_\_), and I hereby sell, assign and set over to the ASSIGNEE, its  
successors, assigns or other legal representatives, all rights of priority, including any provisional  
applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental  
organizations including all applications claiming benefit of the filing date hereof, continuations,  
continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any  
and all papers, including applications for Letters Patent of any and all kinds and in any and all countries,  
entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its  
successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein  
sold, assigned and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted  
herein.

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.

**LEGAL NAME OF INVENTOR**

Inventor: Edward SZCZEPANSKI Date: May 15th 2020

Signature: /Edward Szczepanski/

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must  
accompany this form. Use an additional declaration form for each additional inventor.