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| PATENT ASSIGNMENT COVER SHEET |
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 Stylesheet Version v1.2

EPAS ID: PAT5931309

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| XUEMEI SUN | 01/15/2020 |
| JIYAO WANG | 01/15/2020 |
| HONGJIE WU | 01/15/2020 |
| WILLIAM REYNOLDS | 01/27/2020 |
| SILONG LI | 01/15/2020 |
| MICHAEL W. DEGNER | 01/15/2020 |
| RECEIVING PARTY DATA | |
| Name: | FORD GLOBAL TECHNOLOGIES, LLC |
| Street Address: | 330 TOWN CENTER DRIVE |
| Internal Address: | FAIRLANE PLAZA SOUTH, SUITE 800 |
| City: | DEARBORN |
| State/Country: | MICHIGAN |
| Postal Code: | 48126 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16747418 |
| CORRESPONDENCE DATA | |
| Fax Number: | (313)322-7162 |
| <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> | |
| Phone: | 2483584400 |
| Email: | glorzen@brookskushman.com |
| Correspondent Name: | BROOKS KUSHMAN P.C. |
| Address Line 1: | 1000 TOWN CENTER |
| Address Line 2: | TWENTY-SECOND FLOOR |
| Address Line 4: | SOUTHFIELD, MICHIGAN 48075-1238 |
| ATTORNEY DOCKET NUMBER: | 84184874 |
| NAME OF SUBMITTER: | BENJAMIN C. STASA |
| SIGNATURE: | /Benjamin C. Stasa/ |
| DATE SIGNED: | 01/27/2020 |

PATENT

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6

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Please direct all correspondence to: 28395

Attorney Docket Number 84184874

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)

Title of Invention **ALTERNATING PASSIVE RECTIFICATION AND 3-PHASE-SHORT CONTROL FOR AUTOMOTIVE TRACTION MOTORS**

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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 am aware of the 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 FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, 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. 16/747418, Filing Date January 20, 2020), 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: Xuemei Sun

Date: 1/15/2020

Signature: Xuemei Sun

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.

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LEGAL NAME OF INVENTOR

Inventor: Jiyao Wang

Date: Jan 15, 2020

Signature: Jiyao Wang

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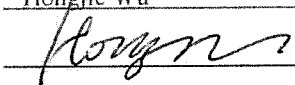
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LEGAL NAME OF INVENTOR

Inventor: Hongjie Wu

Date: 1/15/2020

Signature: 

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.

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| Attorney Docket Number | 84184874 |
|------------------------|----------|

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LEGAL NAME OF INVENTOR
Inventor: William Reynolds Date: 01/27/2020
Signature: *William Reynolds*

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LEGAL NAME OF INVENTOR Inventor: Silong Li Date: 01/15/2020 Signature: [Handwritten Signature]

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LEGAL NAME OF INVENTOR

Inventor: Michael W. Degner

Date: 1/15/2020

Signature: Michael W. Degner

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