

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5691378

|                                                                                                                                                                                                 |                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                           |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                      |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                |
| ANKIT R. SHAH                                                                                                                                                                                   | 08/07/2019                           |
| ANTHONY JUDGE                                                                                                                                                                                   | 03/25/2019                           |
| SIVARAJA VELUSAMY                                                                                                                                                                               | 08/07/2019                           |
| ANTHONY J. FARRELL                                                                                                                                                                              | 08/07/2019                           |
| RAGAVI RAMAMURTHY                                                                                                                                                                               | 08/08/2019                           |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                      |
| <b>Name:</b>                                                                                                                                                                                    | ROBERT BOSCH GMBH                    |
| <b>Street Address:</b>                                                                                                                                                                          | POSTFACH 30 02 20                    |
| <b>City:</b>                                                                                                                                                                                    | STUTTGART                            |
| <b>State/Country:</b>                                                                                                                                                                           | GERMANY                              |
| <b>Postal Code:</b>                                                                                                                                                                             | D-70442                              |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                      |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                        |
| Application Number:                                                                                                                                                                             | 16227077                             |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                      |
| <b>Fax Number:</b>                                                                                                                                                                              | (414)271-0656                        |
| <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>                                                                                                                                                                                   | 414-271-6560                         |
| <b>Email:</b>                                                                                                                                                                                   | mkeipdocket@michaelbest.com          |
| <b>Correspondent Name:</b>                                                                                                                                                                      | MICHAEL BEST & FRIEDRICH LLP (BOSCH) |
| <b>Address Line 1:</b>                                                                                                                                                                          | 100 EAST WISCONSIN AVENUE            |
| <b>Address Line 4:</b>                                                                                                                                                                          | MILWAUKEE, WISCONSIN 53202           |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 022896-3136-US02                     |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | DEREK C. STETTNER                    |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /derek c. stettner/                  |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 08/28/2019                           |
| <b>Total Attachments: 4</b>                                                                                                                                                                     |                                      |
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## ASSIGNMENT

Pursuant to our obligation to **Robert Bosch GmbH** (hereinafter referred to as "Assignee"), a German corporation having its principal place of business at:

Postfach 30 02 20  
D-70442 Stuttgart  
Germany

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,  
we:

Ankit R. Shah  
45439 Augusta Drive  
Canton, MI 48188

Anthony Judge  
7395 Verona Drive  
West Bloomfield, MI 48322

Sivaraja Velusamy  
19326 Silver Springs Drive, #101  
Northville, MI 48167

Anthony J. Farrell  
11168 Village Ln.  
Clinton, MI 49236

Evangelin C. Vijitha  
24885 #04206 Ravine Square  
Farmington Hills, MI 48335

Ragavi Ramamurthy  
Robert Bosch LLC (India)  
Coimbatore, TM, India

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

(1) in and to inventions described in a patent application titled "DETERMINING A FAULT IN AN ELECTRONIC CONTROLLER" for which we filed United States Patent Application No. 16/227,077 on December 20, 2018 (Atty. File No. 022896-3126-US02) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 62/611,761, filed December 29, 2017 (hereinafter the "U.S. provisional patent application") (Atty. File No. 022896-3126-US01);

(2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation,

continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either or both of the U.S. utility patent application and the U.S. provisional patent application.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

08/07/2019  
Date

Ankit R. Shah  
Ankit R. Shah

                      
Date

Anthony Judge  
Anthony Judge

8-7-2019  
Date

Sivaraja Velusamy  
Sivaraja Velusamy

8-7-2019  
Date

Anthony J. Farrell  
Anthony J. Farrell

                      
Date

Evangelin C. Vijitha  
Evangelin C. Vijitha

8-8-2019  
Date

Ragavi Ramamurthy  
Ragavi Ramamurthy

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\_\_\_\_\_  
Date

MARCH 25, 2019  
Date

\_\_\_\_\_  
Ankit R. Shah

Anthony Judge  
Anthony Judge

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Date

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Sivaraja Velusamy

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Date

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Anthony J. Farrell

\_\_\_\_\_  
Date

\_\_\_\_\_  
Evangelin C. Vijitha

\_\_\_\_\_  
Date

\_\_\_\_\_  
Ragavi Ramamurthy