PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YASUO TOYOSHIMA	06/10/2015
SHUICHI TSUKAHARA	06/29/2015
TOMOHIRO NAKAMURA	06/10/2015
YUTAKA TANAKA	07/04/2015

RECEIVING PARTY DATA

Name:	BOSCH CORPORATION
Street Address:	6-7 SHIBUYA 3-CHOME
Internal Address:	SHIBUYA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1508360

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14652502

CORRESPONDENCE DATA

Fax Number: (414)277-0656

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.

Phone: 4142716560

Email:mkeipdocket@michaelbest.comCorrespondent Name:MICHAEL BEST & FRIEDRICH LLPAddress Line 1:100 EAST WISCONSIN AVENUE

Address Line 2: SUITE 3300

Address Line 4: MILWAUKEE, WISCONSIN 53202

ATTORNEY DOCKET NUMBER:	030413-3049-US00
NAME OF SUBMITTER:	JAY EINERSON
SIGNATURE:	/jay einerson/
DATE SIGNED:	07/15/2015

Total Attachments: 5

PATENT REEL: 036097 FRAME: 0641

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PATENT REEL: 036097 FRAME: 0642

ASSIGNMENT

Pursuant to our obligation to Bosch Corporation (hereinafter referred to as "Assignee"), a Japan corporation having its principal place of business at:

> 6-7, Shibuya 3-chome Shibuya-ku Tokyo 1508360 Japan

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

Yasuo Toyoshima 3-13-26 Yakyu-cho, Higashimatsuyama Saitama 355-8603 Japan

Shulchi Tsukahara 3-13-26 Yakyu-cho, Higashimatsuyama Saitama 355-8603 Japan

Tomohiro Nakamura 3-13-26 Yakyu-cho, Higashimatsuyama Saitama 355-8603 Japan

Yutaka Tanaka 3-13-26 Yakyu-cho, Higashimatsuyama Saitama 355-8603 Japan

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

- (1) In and to inventions described in a patent application titled GLOW PLUG
 DIAGNOSIS METHOD AND VEHICLE GLOW PLUG DRIVE CONTROL APPARATUS the
 specification of which was filed with my authority on November 18, 2013 as International Patent
 Application No. PCT/JP2013/080983 (Atty. File No. 030413-3049-US00) (hereinefter the "PCT
 application"); and
- (2) in and to the PCT application, in and to all other U.S. patent applications (including PCT national phase, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said inventions or claiming the benefit of the PCT

PATENT REEL: 036097 FRAME: 0643

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.

2015, 6, 70	基基 发光
Date	Yasuo Toyoshima
Date	Shuichi Taukahara
Date	Tomohiro Nakamura
Date	Yutaka Tanaka

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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.

Date	Yasuo Toyoshima
2015,06,29	Dhuiche Taubahara
Date	Shuichi Tsukahara
Date	Tomohiro Nakamura
Date	Yutaka Tanaka

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Date	Yasuo Toyoshima
Date	Shuichi Tsukahara
70. June. 2015	T. Mehry
Date	Tomohiro Nakamura
Date	Yutaka Tanaka

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.

Date	Yasuo Toyoshima
Date	Shuichi Tsukahara
Date	Tomohiro Nakamura
July 44h 2015 Date	Jutaka Tanaka Yutaka Tanaka

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