503415953 07/30/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASANORI WATANABE	03/14/2013
TAKESHI MIYAMOTO	03/14/2013
FUMIYASU KUROGI	03/15/2013

RECEIVING PARTY DATA

Name:	BOSCH CORPORATION
Street Address:	6-7, SHIBUYA 3-CHOME
Internal Address:	SHIBUYA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1508306

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14813514

CORRESPONDENCE DATA

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DATE SIGNED:	07/30/2015	

Total Attachments: 2

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PATENT 503415953 REEL: 036217 FRAME: 0182

ASSIGNMENT

Pursuant to our obligation to Bosch Corporation (hereinafter referred to as "Assignee"), a Japanese 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:

Masanori Watanabe c/o Bosch Corporation 13-26, Yakyu-cho 3-chome Higashimatsuyama-shi Saitama 3558603 Japan

Takeshi Miyamoto c/o Bosch Corporation 13-26, Yakyu-cho 3-chome Higashimatsuyama-shi Saitama 3558603 Japan

Fumiyasu Kurogi c/o Bosch Corporation 13-26, Yakyu-cho 3-chome Higashimatsuyama-shi Saitama 3558603 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 EXHAUST GAS

 PURIFICATION SYSTEM AND METHOD FOR CONTROLLING THE SAME the specification of which was filed with our authority on December 21, 2011 as International Patent Application No. PCT/JP2011/079582 (Atty. File No. 030413-3029-US00) (hereinafter the "PCT application");
- (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 invention or claiming the benefit of the PCT

PATENT REEL: 036217 FRAME: 0183 application, 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;

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.

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

19. Mar. 2013	Salandi Insusant
Date	Takeshi Miyamoto
14 Mar. 2013	Masanori Watanabe
Date	Masanori Watanabe
75° Mar. 2013	Fortrasic Karoal
Date	Furnivasu Kuroni