### 501780113 01/09/2012

#### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Hiromu KAKUYA	10/11/2011
Kengo KUMANO	10/12/2011
Shiro YAMAOKA	10/17/2011

#### **RECEIVING PARTY DATA**

Name:	Hitachi Automotive Systems, Ltd.
Street Address:	2520, Takaba
City:	Hitachinaka-shi, Ibaraki
State/Country:	JAPAN

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13318558

## **CORRESPONDENCE DATA**

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Correspondent Name: Crowell & Moring LLP

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ATTORNEY DOCKET NUMBER: 105559.64006US

NAME OF SUBMITTER: Michael H. Jacobs

Total Attachments: 1

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PATENT REEL: 027502 FRAME: 0544 OP \$40.00 13318558

## **ASSIGNMENT**

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Automotive Systems, Ltd., a corporation organized under the laws of Japan,

located at 2520, Takaba, Hitachinaka-shi, Ibaraki, Japan,

receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Automotive Systems, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

# CONTROL DEVICE FOR COMPRESSED SELF-IGNITION TYPE INTERNAL COMBUSTION ENGINE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, No. PCT/JP2010/057076 filed April 21, 2010, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said Hitachi Automotive Systems, Ltd.,

its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made:

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Automotive Systems, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) Hiromu Kakuyar	10/11/2011
1) Hiromu Kakuyar 2) Kongo Kumano	10/12/2011
3) Sho Jaman Ban	10/17/2011
4)	
5)	
6)	
7)	
8)	
9)	
10)	

PATENT REEL: 027502 FRAME: 0545

RECORDED: 01/09/2012