PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NINGSHENG QIAO	10/14/2014
NICHOLAS MOORE	10/14/2014
FRANCOIS FABRE	10/14/2014

RECEIVING PARTY DATA

Name:	CONTINENTAL AUTOMOTIVE SYSTEMS, INC.	
Street Address:	ONE CONTINENTAL DRIVE	
City:	AUBURN HILLS	
State/Country:	MICHIGAN	
Postal Code:	48326-2980	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14515052

CORRESPONDENCE DATA

Fax Number: (248)988-8363

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: 2489888360

Email: docket@cgolaw.com

CARLSON, GASKEY & OLDS, P.C. **Correspondent Name:**

Address Line 1: 400 WEST MAPLE ROAD

Address Line 2: **SUITE 350**

Address Line 4: **BIRMINGHAM, MICHIGAN 48009**

ATTORNEY DOCKET NUMBER:	2013P03482US01;60426-1102	
NAME OF SUBMITTER:	STEPHEN A. BURCH	
SIGNATURE:	/Stephen A. Burch/	
DATE SIGNED:	10/15/2014	

Total Attachments: 2

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PATENT REEL: 033955 FRAME: 0647 503019881

2013P03482US01; 60426-1102PUS1

ASSIGNMENT (Joint Inventors)

WHEREAS, we. Ningsheng Qiao of 1369 Provincial Drive. Troy, MI 48084; Nicholas Moore of 6804 Merrick Drive, Troy, MI 48098; and François Fabre of 28 Via Centro Croci, Pino Torinese, Italy 10025, (hereinafter referred to as Assignors), have invented new and useful improvements in:

DIRECT INJECTION SOLENOID INJECTOR OPENING TIME DETECTION

which is set forth in an application in the United States executed on even date herewith, which claims priority to United States Provisional Application No. 61/896,710 filed on October 29, 2013.

AND WHEREAS, Continental Automotive Systems, Inc., (hereinafter referred to as Assignee), of One Continental Drive, Auburn Hills, MI 48326-2980 is desirous of acquiring the entire right, title and interest in and to said invention and said Letters Patent of the United States, and in and to any Letters Patent or Patents. United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by the Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

AND the Assignor hereby covenants and agrees that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement. Ningsheng Qiao

Dated: 10 - 14 - 2014

2013P03482US01; 60426-1102PUS1

Dated: 10/14/2014

Nicholas Moore

Dated: 14/10/2011

François Fabre

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

Stephen A. Burch CARLSON, GASKEY & OLDS, P.C. 400 W. Maple, Suite 350 Birmingham, MI 48009 (248) 988-8360