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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Sean P. Burns
Deborah L. Hordos
Jason Newell

2. Name and address of receiving party(ies)Name: Automotive Systems Laboratory, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) July 6, 2006

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

Street Address: 69700 Powell RoadCity: ArmadaState: MichiganCountry: US Zip: 48005Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/479,493

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: L. C. Begin & Associates, PLLC

Internal Address: _____

Street Address: 510 Highland Ave.PMB 403City: MilfordState: Michigan Zip: 48357Phone Number: (248) 889-5875Fax Number: (248) 887-7664

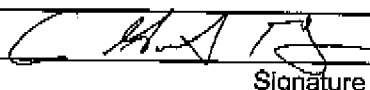
Email Address: _____

6. Total number of applications and patents involved:**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers 1003Expiration Date 7/08

b. Deposit Account Number _____

Authorized User Name Laurence C. Begin**9. Signature:**


Signature

8-15-06

Date

C. GAIL BOES

Name of Person Signing

Total number of pages including cover

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

OP \$40.00 11479493

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)Docket No.
5702-01126*This is an Assignment of the following rights, title and interest: (check all that apply):*

- ☒ *United States of America rights, title and interest in the invention*
☒ *Foreign rights, title and interest in the invention*
☒ *United States Patent Application Serial No.* 11/479,493

Date of Execution: July 6, 2006*Date of Filing:* June 30, 2006

- ☐ *United States Provisional Patent Application Serial No.* _____
☐ *United States Patent No(s).* _____
☐ *International (PCT) Patent Application Serial No.* _____
☐ *Other (specify)* _____

Title of the Invention

AUTOIGNITION COMPOSITIONS

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Sean P. Burns	
Deborah L. Hordos	
Jason Newell	

Assignee

<i>Name</i>	<i>Address</i>
Automotive Systems Laboratory, Inc.	69700 Powell Road Armada, Michigan 48005

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No.

5702-01126

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

[illegible]

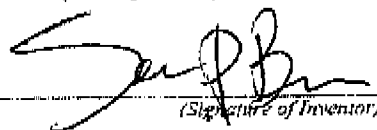
Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
5702-01126

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 6th day of July, in the year 2006
at _____


(Signature of Inventor)

State of Michigan

County of Macomb

Before me personally appeared Sean P. Burns

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6th day of July, in the year 2006

DEANA DESMARAIS
Notary Public, State of Michigan
County of Macomb
My Commission Expires 06-25-2012
Acting in the county of Macomb


(Notary Public)

Executed this 6th day of July, in the year 2006
at _____


(Signature of Inventor)

State of Michigan

County of Macomb

Before me personally appeared Deborah L. Hordos

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6th day of July, in the year 2006

DEANA DESMARAIS
Notary Public, State of Michigan
County of Macomb
My Commission Expires 06-25-2012
Acting in the county of Macomb


(Notary Public)

Executed this 6th day of July, in the year 2006
at _____


(Signature of Inventor)

State of Michigan

County of Macomb

Before me personally appeared Jason Newell

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6th day of July, in the year 2006

DEANA DESMARAIS
Notary Public, State of Michigan
County of Macomb
My Commission Expires 06-25-2012
Acting in the county of Macomb


(Notary Public)