

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5365960

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ERIC J. DEFENDERFER	02/24/2015
NITISH J. WAGH	02/24/2015
RANDALL S. BEIKMANN	02/24/2015
JINBIAO LI	03/04/2015
RECEIVING PARTY DATA	
Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC
Street Address:	300 RENAISSANCE CENTER
City:	DETROIT
State/Country:	MICHIGAN
Postal Code:	48265
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16270349
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ATTORNEY DOCKET NUMBER:	TULAP032C1
NAME OF SUBMITTER:	STEVE D BEYER
SIGNATURE:	/Steve D Beyer/
DATE SIGNED:	02/07/2019
Total Attachments: 4	
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source=TULAP032_GM_Assignment_as_filed#page3.tif	

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

METHOD AND APPARATUS FOR DETERMINING OPTIMUM SKIP FIRE FIRING PROFILE

(Atty. Docket No. TULAP032), (check one)

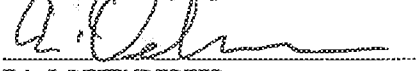
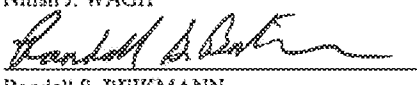
- ☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
☒ which bears U.S. Application No. 14/638,908. (Not accompanying)
☐ which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to GM Global Technology Operations LLC, a corporation having a place of business at 300 Renaissance Center, Detroit, Michigan 48265 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this Assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this Assignment.

6) Authorize and request my attorney/agent to insert above the Application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

- 1) Signature:  Date: 2/24/2015
Typed Name: Eric J. DEFENDERFER
- 2) Signature: N.J. Wagh Date: February 24, 2015
Typed Name: Nitish J. WAGH
- 3) Signature:  Date: Feb 24, 2015
Typed Name: Randall S. BEIKMANN
- 4) Signature: _____ Date: _____
Typed Name: Jinbiao Li

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Signed on the date indicated beside my signature.

- | | | |
|----|---|--------------|
| 1) | Signature: _____
Typed Name: Eric J. DEFENDERFER | Date: _____ |
| 2) | Signature: _____
Typed Name: Nish J. WAGH | Date: _____ |
| 3) | Signature: _____
Typed Name: Randall S. BECKMANN | Date: _____ |
| 4) | Signature:  _____
Typed Name: Ambrose | Date: 3/4/15 |