

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4281679

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL LIVSHIZ	02/13/2017
BHARATH PATTIPATI	02/16/2017
JAMES L WORTHING	02/16/2017
CHRISTOPHER E WHITNEY	02/14/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GM GLOBAL TECHNOLOGY OPERATIONS LLC
<b>Street Address:</b>	300 RENAISSANCE CENTER
<b>Internal Address:</b>	MAIL CODE 482-C23-B21 P.O. BOX 300
<b>City:</b>	DETROIT
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48265
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15436235
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	GM.PATENTS@GM.COM
<b>Correspondent Name:</b>	GENERAL MOTORS LLC, LEGAL STAFF
<b>Address Line 1:</b>	300 RENAISSANCE CENTER
<b>Address Line 2:</b>	MC: 482-C23-B21 P.O. BOX 300
<b>Address Line 4:</b>	DETROIT, MICHIGAN 48265
<b>ATTORNEY DOCKET NUMBER:</b>	P039637-US-NP
<b>NAME OF SUBMITTER:</b>	BONNIE SHAW
<b>SIGNATURE:</b>	/Bonnie Shaw/
<b>DATE SIGNED:</b>	02/20/2017
<b>Total Attachments: 2</b>	
source=Ececuted assignment clean#page1.tif	

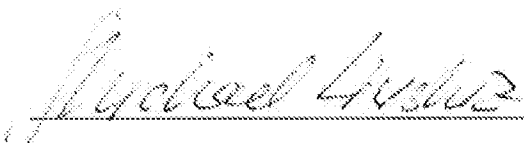


# ASSIGNMENT


Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application for a

## **TORQUE SECURITY OF MPC-BASED POWERTRAIN CONTROL**

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 00286 to insert the application number and filing date of said application here in parentheses ( 15/436,235 filed February 17, 2017 ) when known.

Inventor's signature:  Date 02-13-17  
 Full name : Michael Livshiz

Residence : Ann Arbor, MI

Inventor's signature:  Date 02/16/17  
 Full name : Bharathi Pattipati

Residence : South Lyon, MI

Inventor's signature: \_\_\_\_\_ Date \_\_\_\_\_  
 Full name : James L Worthing

Residence : Houghton Lake, MI

Inventor's signature:  Date 02-14-17  
 Full name : Christopher E Whitney

Residence : Commeree, MI

**ASSIGNMENT**

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application for a

***TORQUE SECURITY OF MPC-BASED POWERTRAIN CONTROL***

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 00286 to insert the application number and filing date of said application here in parentheses ( 15/436,235 filed February 17, 2017 ) when known.

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

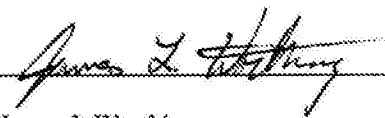
Full name : Michael Livshiz

Residence : Ann Arbor, MI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : Bharath Pattipati

Residence : South Lyon, MI

Inventor's signature  Date 2/16/2017

Full name : James L Worthing

Residence : Houghton Lake, MI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : Christopher E Whitney

Residence : Commerce, MI