#### 502099263 10/18/2012

#### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### CONVEYING PARTY DATA

Name	Execution Date
Frank C. Valeri	10/03/2012
Scott M. Reilly	10/03/2012
Pawel W. Sleboda	10/03/2012
lan R. Singer	10/03/2012

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13654848

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Total Attachments: 3 source=6GB8015#page1.tif source=6GB8015#page2.tif source=6GB8015#page3.tif

REEL: 029152 FRAME: 0490

**PATENT** 

# **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 P020364-GMVE-CD entitled

# SELF-DIAGNOSTIC NON-BUSSED CONTROL MODULE

practitioner associate of said application he	a declaration. If the patent application has ed with Customer No. 80748 to insert the application has ere in parentheses ( \3/654848 \8 \8 \8 \8 \8 \8 \8 \8 \8 \8 \8 \8 \8	plication number and filing date
Inventor's signature Full name :	FRANK C. VALERI	Date 10/3/12
Residence:	NOVI, MICHIGAN	
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Full name:	PAWEL W. SLEBODA	
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Full name:	IAN R. SINGER	
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PATENT REEL: 029152 FRAME: 0491

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	N.	
Inventor's signature		Date
Full name:	FRANK C. VALERI	
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Davidanca :	MACOMB MICHIGAN	

PATENT REEL: 029152 FRAME: 0492

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# SELF-DIAGNOSTIC NON-BUSSED CONTROL MODULE

for which I executed a declaration. If the patent application has been filed, I authorize any

001000	(8, 2012) when known,	
Inventor's signature		Date
Full name :	FRANK C. VALERI	
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PATENT REEL: 029152 FRAME: 0493

**RECORDED: 10/18/2012**