502502358 09/19/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTHONY H. HEAP	08/23/2013
SEAN W. MCGROGAN	08/23/2013

RECEIVING PARTY DATA

Name:	GM Global Technology Operations LLC	
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Postal Code:	48265-3000	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14031680

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NAME OF SUBMITTER:	Ann J. Mott
Signature:	/Ann J. Mott/
Date:	09/19/2013

Total Attachments: 1

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PATENT

REEL: 031243 FRAME: 0064

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 P020459-PTUS-RRM entitled

METHOD AND APPARATUS FOR CONTROLLING A MULTI-MODE POWERTRAIN SYSTEM

practitioner associated	a declaration. If the patent application with Customer No. 70465 to insert re in parentheses (14/031,680	the application number and filing date
when known.		
Inventor's signature	anthony H. HEAP	
Full name:	ANTHON I II. III.AI	
Residence:	ANN ARBOR, MICHIGAN	
Inventor's signature Full name:	Sean W. M. M. Magan Sean W. McGrogan	Date <u>9613/08/93</u>

ANN ARBOR, MICHIGAN

PATENT REEL: 031243 FRAME: 0065

RECORDED: 09/19/2013

Residence: