

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	10/16/2008
Tung-Ming Hsieh	10/17/2008
RECEIVING PARTY DATA	
Name:	GM Global Technology Operations, Inc.
Street Address:	300 Renaissance Center
Internal Address:	Mail Code 482-C23-B21, P.O. Box 300
City:	Detroit
State/Country:	MICHIGAN
Postal Code:	48265-3000
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12254985
CORRESPONDENCE DATA	
Fax Number:	(248)676-2799
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	248-676-2798
Email:	mcichosz@cichoszlaw.com
Correspondent Name:	CICHOSZ & CICHOSZ, PLLC
Address Line 1:	129 E. COMMERCE
Address Line 4:	MILFORD, MICHIGAN 48381
ATTORNEY DOCKET NUMBER:	P003116/PTH/RRM(GMC7216)
NAME OF SUBMITTER:	Mona-Lisa Cichosz
Total Attachments: 2 source=Assignment-P003116#page1.tif source=Assignment-P003116#page2.tif	

CH \$40.00 12254985

PATENT

500681271

REEL: 021712 FRAME: 0506

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS, INC., the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P003116/PTH/RRM entitled

METHOD AND APPARATUS TO DETERMINE A PREFERRED OUTPUT TORQUE IN MODE AND FIXED GEAR OPERATION WITH CLUTCH TORQUE CONSTRAINTS FOR A HYBRID POWERTRAIN SYSTEM

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney VINCENT A. CICHOSZ to insert the application number and filing date of said application here in parentheses (12/254,985 filed 21-OCT-2008) when known.

If the patent application has been filed provisionally, the application number and filing date of said provisional application(s) assigned herein are as follows:

US Provisional Serial No	Filed
60/985404	05-NOV-2007

Inventor's signature	<u>Anthony H. Heap</u>	Date	<u>2008/10/16</u>
----------------------	------------------------	------	-------------------

Full name :	ANTHONY H. HEAP	Declaration dated :	
-------------	-----------------	---------------------	--

Residence :	ANN ARBOR, MICHIGAN	<u>2008/10/16</u>	
-------------	---------------------	-------------------	--

Inventor's signature	_____	Date	_____
----------------------	-------	------	-------

Full name :	TUNG-MING HSIEH	Declaration dated :	
-------------	-----------------	---------------------	--

Residence :	CARMEL, INDIANA	_____	
-------------	-----------------	-------	--

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS, INC., the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P003116/PTH/RRM entitled

**METHOD AND APPARATUS TO DETERMINE A PREFERRED OUTPUT TORQUE IN
MODE AND FIXED GEAR OPERATION WITH CLUTCH TORQUE CONSTRAINTS FOR
A HYBRID POWERTRAIN SYSTEM**

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney VINCENT A. CICHOSZ to insert the application number and filing date of said application here in parentheses (12/254,985 filed 21-OCT-2008) when known.

If the patent application has been filed provisionally, the application number and filing date of said provisional application(s) assigned herein are as follows:

US Provisional Serial No Filed
60/985404 05-NOV-2007

Inventor's signature	_____	Date	_____
Full name :	ANTHONY H. HEAP	Declaration dated :	_____
Residence :	ANN ARBOR, MICHIGAN		_____
Inventor's signature	<u>Tung-Ming Hsieh</u>	Date	<u>10/17/08</u>
Full name :	TUNG-MING HSIEH	Declaration dated :	_____
Residence :	CARMEL, INDIANA		<u>10/17/08</u>