PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Akram R. ZAHDEH	07/31/2013
Dan L. ALDEN	07/31/2013
Colin Blacklock BOSMAN	07/31/2013
Robert S. McALPINE	07/31/2013

RECEIVING PARTY DATA

Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC
Street Address:	P.O. BOX 300
Internal Address:	Mail Code 482-C23-B21
City:	Detroit
State/Country:	MICHIGAN
Postal Code:	48265-3000

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13955770	

CORRESPONDENCE DATA

Fax Number: 2486410270

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2486411600 Email: draquino@hdp.com

Correspondent Name: Harness, Dickey & Pierce, PLC

Address Line 1: P.O. BOX 300

Address Line 4: Bloomfield Hills, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	P023342 (8540T-216)
NAME OF SUBMITTER:	Ryan W. Massey
Signature:	/Ryan W. Massey/
Date:	07/31/2013

Total Attachments: 1

source=Assignment-P023342#page1.tif

REEL: 030916 FRAME: 0216

13955//0

CH \$40,00

502441307

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 P023342-PTUS-RRM entitled

TARGETED COOLING WITH INDIVIDUALIZED FEEDING PORTS TO CYLINDERS

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 74175 to insert the application number and filing date of said application here in parentheses (13/955,770 filed July 31, 2013) when known.

Inventor's signature	Man Babela	Date 7/31/12.
Full name:	AKRAM R. ZAHDEH	
Residence:	Rochester Hills, MI	
Inventor's signature	Camp Likely	Date 7 31 13
Full name:	DAN L. ALDEN	
Residence:	Howell, MI	
Inventor's signature	Colforn	Date_ 7/31/13
Full name:	COLIN BLACKLOCK BOSMAN	
Residence:	Rochester Hills, MICHIGAN	
Inventor's signature	Letur Molling	Date 7/3/83
Full name:	ROBERT S. MCALPINE	
Residence:	Lake Orion, MI	

17720761.1

RECORDED: 07/31/2013

PATENT REEL: 030916 FRAME: 0217