502143623 11/29/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Christopher D S Ballnik	11/26/2012
Xiaowen Luo	11/26/2012
Keith D. Buford	11/26/2012

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:	13688297

CORRESPONDENCE DATA

Fax Number: 2483808968

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

Phone: 248-380-9300

Email: amb@quinnlawgroup.com

Correspondent Name: Quinn Law Group

Address Line 1: 39555 Orchard Hill Pl., Ste 520 Address Line 4: Novi, MICHIGAN 48375

ATTORNEY DOCKET NUMBER:	P020684-GMVE-RRM/GM2814
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NAME OF SUBMITTER: Christopher W. Quinn

Total Attachments: 1

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REEL: 029370 FRAME: 0212

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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 P020684-**GMVE-RRM** entitled

HYBRID THERMAL SYSTEM WITH DEVICE-SPECIFIC CONTROL LOGIC

practitioner associated	a declaration. If the patent application has be distributed with Customer No. 72823 to insert the apprecia parentheses (13/688297 filed filed	The state of the s
Inventor's signature	3AS. Polis	Date
Full name:	CHRISTOPHER D S BALLNIK	
Residence:	MILFORD, MICHIGAN	
Inventor's signature	Diamen C	Date 11/26/12
Full name:	XIAOWEN LUO	
Residence:	CANTON, MICHIGAN	
Inventor's signature		Date 11/26/12
Full name:	KEITH D. BUFORD	,
Residence:	SOUTHFIELD, MICHIGAN	

RECORDED: 11/29/2012

PATENT

REEL: 029370 FRAME: 0213