### PATENT ASSIGNMENT

### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Yue Qi	03/15/2013
John Moote	03/14/2013
Qian Lin	03/14/2013
Stephen J. Harris	03/15/2013

### **RECEIVING PARTY DATA**

Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC
Street Address:	300 Renaissance Center
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State/Country:	MICHIGAN
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### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13826506

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	P018823-RD-SDJ (1-55047)
NAME OF SUBMITTER:	William A. Ziehler
Signature:	/William A. ZIEHLER Reg. No. 61,415/
	PATENT

REEL: 030332 FRAME: 0170

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Date:	05/01/2013
Total Attachments: 4 source=55047 Executed Assignments#page source=55047 Executed Assignments#page source=55047 Executed Assignments#page source=55047 Executed Assignments#page	e2.tif e3.tif

PATENT REEL: 030332 FRAME: 0171

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 P018823-RD-SDJ (1-55047) entitled

# BATTERY MODULE FOR MITIGATING GAS ACCUMULATION AND METHODS THEREOF

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 65764 to insert the application number and filing date of said application here in parentheses (13/826,500 filed March 14, 2013) when known.

Inventor's signature Full name:	Jue Qi	Date 3-15-2013
Residence:	1626 REDBUD DRIVE	
residence ;	TROY, MICHIGAN 48098	
Inventor's signature	<del></del>	Date
Full name :	JOHN MOOTE	
Residence:	5882 KATHRYN STREET PLYMOUTH, MICHIGAN 48170	
Inventor's signature		Date
Full name:	QIAN LIN	
Residence:	5073 LONGVIEW DRIVE TROY, MICHIGAN 48098	
Inventor's signature		Date
Full name:	STEPHEN J. HARRIS	
Residence:	1517 SANDRINGHAM WAY	•
Inventor's signature	BLOOMFIELD, MICHIGAN 48301	Date

PATENT REEL: 030332 FRAME: 0172

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Inventor's signature		Date
Full name:	YUE QI	
Residence:	1626 REDBUD DRIVE TROY, MICHIGAN 48098	·
Inventor's signature	- John Most	Date March 11,2013
Full name:	JOHN MOOTE /	
Residence:	5882 KATHRYN STREET PLYMOUTH, MICHIGAN 48170	
Inventor's signature		Date
Full name:	QIAN LIN	
Residence:	5073 LONGVIEW DRIVE TROY, MICHIGAN 48098	-
Inventor's signature	;	Date
Full name:	STEPHEN J. HARRIS	·
Residence:	1517 SANDRINGHAM WAY BLOOMFIELD, MICHIGAN 48301	
Inventor's signature		Date

**PATENT** 

REEL: 030332 FRAME: 0173

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Inventor's signature		Date
Full name:	YUE QI	·
Residence:	1626 REDBUD DRIVE TROY, MICHIGAN 48098	
Inventor's signature		Date
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Residence:	5882 KATHRYN STREET PLYMOUTH, MICHIGAN 48170	
Inventor's signature	Jen J.	Date 3/14/2013
Full name:	QIAN LIN	
Residence:	5073 LONGVIEW DRIVE TROY, MICHIGAN 48098	
Inventor's signature	·	Date
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Inventor's signature		Date

PATENT REEL: 030332 FRAME: 0174

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### BATTERY MODULE FOR MITIGATING GAS ACCUMULATION AND METHODS THEREOF

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 65764 to insert the application number and filing date of said application here in parentheses (13/8210, 5010 filed march 14, 2013) when known.

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mivemen a signature	•	Date
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Full name:	JOHN MOOTE	
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Inventor's signature	Algho OHO	Date 3/15/13
Full name:	STEPHEN J. HARRIS	( . (
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Inventor's signature	Walnut Creek CA	Date

RECORDED: 05/02/2013

PATENT

**REEL: 030332 FRAME: 0175**