

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>GABRIEL GALLEGOS-LOPEZ</td> <td>12/09/2010</td> </tr> <tr> <td>MICHAEL H. KINOSHITA</td> <td>12/09/2010</td> </tr> <tr> <td>RAY M. RANSOM</td> <td>12/09/2010</td> </tr> <tr> <td>MILUN PERISIC</td> <td>12/09/2010</td> </tr> </tbody> </table>		Name	Execution Date	GABRIEL GALLEGOS-LOPEZ	12/09/2010	MICHAEL H. KINOSHITA	12/09/2010	RAY M. RANSOM	12/09/2010	MILUN PERISIC	12/09/2010
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<b>RECEIVING PARTY DATA</b>											
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										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12983669</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12983669						
Property Type	Number										
Application Number:	12983669										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(480)385-5061										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	P013482-ATC-CD (003.0800)										
NAME OF SUBMITTER:	Erin P. Madill										

**CH \$40.00 12983669**

Total Attachments: 1  
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**ASSIGNMENT**

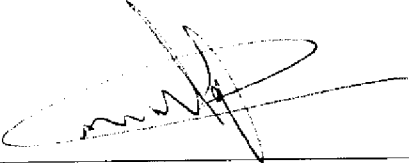
Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P013482-ATC-CD (003.0800) entitled:


METHODS, SYSTEMS AND APPARATUS FOR ADJUSTING DUTY CYCLE OF PULSE WIDTH MODULATED (PWM) WAVEFORMS

for which application for Letters Patent of the United States:

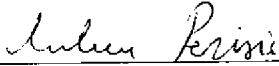
- has been executed on even date herewith;
- executed on \_\_\_\_\_;
- was filed on January 3, 2010 and assigned U.S. Serial No. 12/983,669;

ASSIGNOR hereby authorizes GM GLOBAL TECHNOLOGY OPERATIONS LLC, its successors and assigns, its legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained.

Inventor's signature  Date 12/09/2010  
Full name : GABRIEL GALLEGOS-LOPEZ  
Residence : ~~TORRANCE, CALIFORNIA~~  
LOMITA

Inventor's signature  Date 12/09/2010  
Full name : MICHAEL H. KINOSHITA  
Residence : REDONDO BEACH, CALIFORNIA

Inventor's signature  Date 12/09/2010  
Full name : RAY M. RANSOM  
Residence : BIG BEAR CITY, CALIFORNIA

Inventor's signature  Date 12/09/2010  
Full name : MILUN PERISIC  
Residence : TORRANCE, CALIFORNIA