

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chandra S. Namuduri</td> <td>02/15/2010</td> </tr> <tr> <td>Bryan M. Ludwig</td> <td>02/18/2010</td> </tr> <tr> <td>Keith D. Van Maanen</td> <td>02/12/2010</td> </tr> <tr> <td>Suresh Gopalakrishnan</td> <td>02/16/2010</td> </tr> </tbody> </table>		Name	Execution Date	Chandra S. Namuduri	02/15/2010	Bryan M. Ludwig	02/18/2010	Keith D. Van Maanen	02/12/2010	Suresh Gopalakrishnan	02/16/2010		
Name	Execution Date												
Chandra S. Namuduri	02/15/2010												
Bryan M. Ludwig	02/18/2010												
Keith D. Van Maanen	02/12/2010												
Suresh Gopalakrishnan	02/16/2010												
RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>GM Global Technology Operations, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>300 Renaissance Center</td> </tr> <tr> <td>Internal Address:</td> <td>Mail Code 482-C23-B21, P.O. Box 300</td> </tr> <tr> <td>City:</td> <td>Detroit</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48265-3000</td> </tr> </table>		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
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													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12710424</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12710424								
Property Type	Number												
Application Number:	12710424												
CORRESPONDENCE DATA													
<p>Fax Number: (248)676-2799</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-676-2798</p> <p>Email: mcichosz@cichoszlaw.com</p> <p>Correspondent Name: CICHOSZ & CICHOSZ, PLLC</p> <p>Address Line 1: 129 E. COMMERCE</p> <p>Address Line 4: MILFORD, MICHIGAN 48381</p>													
ATTORNEY DOCKET NUMBER:	P008749/RD/MJL(GMC9186)												
NAME OF SUBMITTER:	Mona-Lisa Cichosz												

CH \$40.00 12710424

501099523

PATENT
REEL: 023974 FRAME: 0840

Total Attachments: 8

source=Assignment P008749-GMC9186#page1.tif

source=Assignment P008749-GMC9186#page2.tif

source=Assignment P008749-GMC9186#page3.tif

source=Assignment P008749-GMC9186#page4.tif

source=Assignment P008749-GMC9186#page5.tif

source=Assignment P008749-GMC9186#page6.tif

source=Assignment P008749-GMC9186#page7.tif

source=Assignment P008749-GMC9186#page8.tif

Customer No. 70465
P008749/RD/MJL, Page 1

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 P008749/RD/MJL entitled

CONTROL OF AN ALTERNATOR-STARTER FOR A HYBRID ELECTRIC VEHICLE
HAVING A DISCONNECTED HIGH-VOLTAGE BATTERY

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (12/710,424 filed 23-FEB-2010) 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
61/158740	09-MAR-2009

Inventor's signature Chandra S. NamuduriDate 02-15-2010

Full name : CHANDRA S. NAMUDURI

Declaration dated :

Residence : TROY, MICHIGAN

02-15-2010

Inventor's signature _____

Date _____

Full name : BRYAN M. LUDWIG

Declaration dated :

Residence : WEST BLOOMFIELD, MICHIGAN

Inventor's signature _____

Date _____

Full name : KEITH D. VAN MAANEN

Declaration dated :

Residence : BIRMINGHAM, MICHIGAN

Customer No. 70465
P008749/RD/MJL, Page 2

Inventor's signature

Date

Full name :

SURESH GOPALAKRISHNAN

Declaration dated :

Residence :

FARMINGTON HILLS, MICHIGAN

Customer No. 70465
P008749/RD/MJL, Page 1

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 P008749/RD/MJL entitled

CONTROL OF AN ALTERNATOR-STARTER FOR A HYBRID ELECTRIC VEHICLE
HAVING A DISCONNECTED HIGH-VOLTAGE BATTERY

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (12/710,424 filed 23-FEB-2010) 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
61/158740	09-MAR-2009

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

Full name :	CHANDRA S. NAMUDURI	Declaration dated :	_____
-------------	---------------------	---------------------	-------

Residence :	TROY, MICHIGAN	_____	_____
-------------	----------------	-------	-------

Inventor's signature	<u>Bryan M Ludwig</u>	Date	<u>2/18/2010</u>
----------------------	-----------------------	------	------------------

Full name :	BRYAN M. LUDWIG	Declaration dated :	_____
-------------	-----------------	---------------------	-------

Residence :	WEST BLOOMFIELD, MICHIGAN	_____	_____
-------------	---------------------------	-------	-------

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

Full name :	KEITH D. VAN MAANEN	Declaration dated :	_____
-------------	---------------------	---------------------	-------

Residence :	BIRMINGHAM, MICHIGAN	_____	_____
-------------	----------------------	-------	-------

Customer No. 70465
P008749/RD/MJL, Page 2

Inventor's signature _____

Date _____

Full name : SURESH GOPALAKRISHNAN

Declaration dated :

Residence : FARMINGTON HILLS, MICHIGAN

Customer No. 70465
P008749/RD/MJL, Page 1

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 P008749/RD/MJL entitled

CONTROL OF AN ALTERNATOR-STARTER FOR A HYBRID ELECTRIC VEHICLE
HAVING A DISCONNECTED HIGH-VOLTAGE BATTERY

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (12/710,424 filed 23-FEB-2010) 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
61/158740	09-MAR-2009

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

Full name :	CHANDRA S. NAMUDURI
-------------	---------------------

Declaration dated :	_____
---------------------	-------

Residence :	TROY, MICHIGAN	_____
-------------	----------------	-------

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

Full name :	BRYAN M. LUDWIG
-------------	-----------------

Declaration dated :	_____
---------------------	-------

Residence :	WEST BLOOMFIELD, MICHIGAN	_____
-------------	---------------------------	-------

Inventor's signature	<u>Keith D. Van Maanen</u>	Date	<u>02/12/2010</u>
----------------------	----------------------------	------	-------------------

Full name :	KEITH D. VAN MAANEN
-------------	---------------------

Declaration dated :	_____
---------------------	-------

Residence :	BIRMINGHAM, MICHIGAN	<u>02/12/2010</u>
-------------	----------------------	-------------------

Customer No. 70465
P008749/RD/MJL, Page 2

Inventor's signature

Date _____

Full name :

SURESH GORALAKRISHNAN

Declaration dated :

Residence :

FARMINGTON HILLS, MICHIGAN

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 P008749/RD/MJL entitled

CONTROL OF AN ALTERNATOR-STARTER FOR A HYBRID ELECTRIC VEHICLE HAVING A DISCONNECTED HIGH-VOLTAGE BATTERY

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (12/710,424 filed 23-FEB-2010) 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
61/158740	09-MAR-2009

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

Full name :	CHANDRA S. NAMUDURI	Declaration dated :	_____
-------------	---------------------	---------------------	-------

Residence :	TROY, MICHIGAN		_____
-------------	----------------	--	-------

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

Full name :	BRYAN M. LUDWIG	Declaration dated :	_____
-------------	-----------------	---------------------	-------

Residence :	WEST BLOOMFIELD, MICHIGAN		_____
-------------	---------------------------	--	-------

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

Full name :	KEITH D. VAN MAANEN	Declaration dated :	_____
-------------	---------------------	---------------------	-------

Residence :	BIRMINGHAM, MICHIGAN		_____
-------------	----------------------	--	-------

Customer No. 70465
P008749/RD/MIL, Page 2

Inventor's signature

Suresh

Date 2/16/2010

Full name :

SURESH GOPALAKRISHNAN

Declaration dated :

Residence :

FARMINGTON HILLS, MICHIGAN

2/16/2010

PATENT

RECORDED: 02/23/2010

REEL: 023974 FRAME: 0849