

PATENT ASSIGNMENT

Electronic Version v1.1

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|---|---------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Kevin Andrew Gady | 02/02/2009 |
| Yong Miao | 01/06/2009 |
| RECEIVING PARTY DATA | |
| Name: | GM GLOBAL TECHNOLOGY OPERATIONS, INC. |
| 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: | 12418031 |
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| ATTORNEY DOCKET NUMBER: | P004945-PTDE-CD |
| NAME OF SUBMITTER: | Michael D. Wiggins |
| Total Attachments: 2 source=ASSIGNMENT_P004945#page1.tif source=ASSIGNMENT_P004945#page2.tif | |

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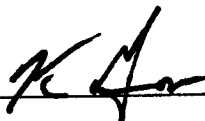
Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS, INC., the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P004945-PTDE-CD entitled

**CURRENT STORAGE ESTIMATION FOR SELECTIVE CATALYTIC REDUCTION
CATALYSTS**

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney CHRISTOPHER DEVRIES and MICHAEL D. WIGGINS to insert the application number and filing date of said application here in parentheses (12418031) filed (4-3-2009) 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
61/084843 30-JUL-2008

| | | | |
|----------------------|---|---------------------|------------------|
| Inventor's signature | <u></u> | Date | <u>02-FEB-09</u> |
| Full name : | KEVIN ANDREW GADY | Declaration dated : | |
| Residence : | YPSILANTI, MI. | | <u>02-FEB-09</u> |
| Inventor's signature | _____ | Date | _____ |
| Full name : | YONG MIAO | Declaration dated : | |
| Residence : | ANN ARBOR, MI. | | _____ |

ASSIGNMENT

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| | |
|--------------------------|-------------|
| US Provisional Serial No | Filed |
| 61/084843 | 30-JUL-2008 |

Inventor's signature _____

Date _____

Full name : KEVIN ANDREW GADY

Declaration dated : _____

Residence : YPSILANTI, MI.

Inventor's signature _____

Date Jan 06, 2009

Full name : YONG MIAO

Declaration dated : _____

Residence : ANN ARBOR, MI.

Jan 06, 2009