

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Hanho Yun | 07/13/2011 |
| Nicole Wermuth | 07/07/2011 |
| Paul M. Najt | 07/15/2011 |
| Jun-Mo Kang | 07/13/2011 |
| Chen-Fang Chang | 07/13/2011 |
| RECEIVING PARTY DATA | |
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| 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 | |
| Property Type | Number |
| Application Number: | 13185560 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | P012300/RD/MJL(GMC10178) |
| NAME OF SUBMITTER: | Mona-Lisa Cichosz |

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Total Attachments: 4

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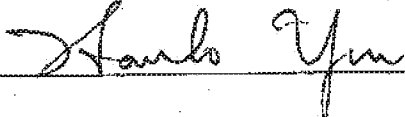
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ASSIGNMENT

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 P012300/RD/MJL entitled

METHODOLOGY TO COMPENSATE THE EFFECT OF HUMIDITY AND ALTITUDE ON HCCI COMBUSTION

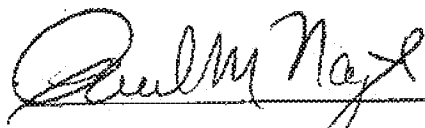
for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (13/185,560 filed 19-JUL-2011) when known.

Inventor's signature  Date 7/13/11

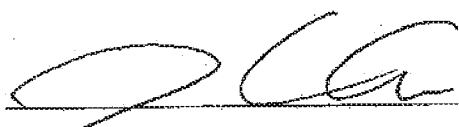
Full name : HANHO YUN Declaration dated :
Residence : OAKLAND TOWNSHIP, MICHIGAN 7/13/11

Inventor's signature _____ Date _____

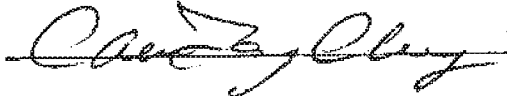
Full name : NICOLE WERMUTH Declaration dated :
Residence : GARCHING BEI MUNCHEN, GERMANY _____

Inventor's signature  Date 15 July '11

Full name : PAUL M. NAJT Declaration dated :
Residence : BLOOMFIELD HILLS, MICHIGAN _____

Inventor's signature  Date 7/13/2011

Full name : JUN-MO KANG Declaration dated :
Residence : ANN ARBOR, MICHIGAN 7/13/2011

Inventor's signature  Date 7/13/2011
Full name : CHEN-FANG CHANG Declaration dated :
Residence : TROY, MICHIGAN 7/13/2011

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METHODOLOGY TO COMPENSATE THE EFFECT OF HUMIDITY AND ALTITUDE ON HCCI COMBUSTION

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 (13/185,560 filed 19-JUL-2011) when known.

Inventor's signature _____ Date _____

Full name : HANHO YUN

Declaration dated : _____

Residence : OAKLAND TOWNSHIP, MICHIGAN

Inventor's signature *Nicole Wermuth* _____

Date 07/07/2011

Full name : NICOLE WERMUTH

Declaration dated : _____

Residence : GARCHING BEI MUNCHEN,
GERMANY

07/07/2011

Inventor's signature _____

Date _____

Full name : PAUL M. NAJT

Declaration dated : _____

Residence : BLOOMFIELD HILLS, MICHIGAN

Inventor's signature _____

Date _____

Full name : JUN-MO KANG

Declaration dated : _____

Residence : ANN ARBOR, MICHIGAN

Inventor's signature _____

Date _____

Full name : CHEN-FANG CHANG

Declaration dated : _____

Residence : TROY, MICHIGAN