504753253 01/30/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4799981

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| EUGENE V. GONZE | 01/24/2018 |
| DANIEL J. SHEPARD | 01/24/2018 |
| MICHAEL J. PARATORE JR. | 01/24/2018 |

RECEIVING PARTY DATA

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|-------------------|-------------------------------------|
| Street Address: | 300 RENAISSANCE CENTER |
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| State/Country: | MICHIGAN |
| Postal Code: | 48265 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15883257 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | P040635-US-NP |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | JAMES HOWARD |
| SIGNATURE: | /James E. Howard/ |
| DATE SIGNED: | 01/30/2018 |

Total Attachments: 1

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PATENT REEL: 045192 FRAME: 0091

504753253

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 P040635-US-NP entitled

Thermal Management System And Method For A Vehicle

| practitioner associat | ed a declaration. If the patent application of the with Customer No. 00286 to insert the | application number and filing date |
|---------------------------------|--|------------------------------------|
| of said application when known. | here in parentheses (_15/883,257 | filed <u>January 30, 2018</u> |
| Inventor's signature | | Date |
| Full name : | Eugene V. Gonze | |
| Residence: | Pinckney, Michigan | |
| Inventor's signature | PH M | Date 1/24/18 |
| Full name : | Daniel J. Shepard | |
| Residence; | M:1fo/d Ann Arbor, Michigan | |
| Inventor's signature | 2/44/4/4/ | |
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PATENT REEL: 045192 FRAME: 0092

RECORDED: 01/30/2018