## 503720003 03/03/2016

# PATENT ASSIGNMENT COVER SHEET

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

#### **CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| BRADLEY R. KAAN | 02/28/2016     |
| DOMENIC CERTO   | 02/24/2016     |
| JOSEPH J. MOON  | 02/25/2016     |

#### **RECEIVING PARTY DATA**

| Name:             | GM GLOBAL TECHNOLOGY OPERATIONS LLC |  |
|-------------------|-------------------------------------|--|
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| 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: | 15053591 |

#### **CORRESPONDENCE DATA**

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| ATTORNEY DOCKET NUMBER: | P035105 (8540T-248) |
|-------------------------|---------------------|
| NAME OF SUBMITTER:      | RYAN W. MASSEY      |
| SIGNATURE:              | /Ryan W. Massey/    |
| DATE SIGNED:            | 03/03/2016          |

#### **Total Attachments: 3**

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PATENT 503720003 REEL: 037883 FRAME: 0586

### 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 P035105-GMVE-RRM entitled

# SHIFTING CAMSHAFT GROOVE DESIGN FOR LOAD REDUCTION

| for which I executed practitioner associate | la declaration. If the patent application $a$ | has been filed, I authorize any | Ante        |
|---|---|---------------------------------|-------------|
| of said application h                       | ere in parentheses (15/053591                 | filed February 25, 2016         | uau<br>)    |
| when known.                                 | · V   |                                 |             |
| Inventor's signature                        | July K. July                                  | Date 2/29/2016                  | -           |
| Full name :                                 | BRADLEY R. KAAN                               |                                 |             |
| Residence :                                 | Oxford, Michigan (US)                         |                                 |             |
| Inventor's signature                        |   | Date                            | <b>****</b> |
| Full name:                                  | DOMENIC CERTO                                 |                                 |             |
| Residence:                                  | Niagara Falls, Ontario (CA)                   |                                 |             |
| Inventor's signature                        |   | Date                            | WW. A       |
| Full name:                                  | JOSEPH J. MOON                                |                                 |             |
| Residence:                                  | Beverly Hills, Michigan (US)                  |                                 |             |

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| practitioner associate | a declaration. If the patent application has ed with Customer No. 74175 to insert the apere in parentheses ( 15/053591 filed | plication number and filing date |
|------------------------|--|----------------------------------|
| Inventor's signature   |  | Date                             |
| Full name :            | BRADLEY R. KAAN  |                                  |
| Residence:             | Oxford, Michigan (US)  |                                  |
| Inventor's signature   | Dominic Cab  | Date <u>Fr.B. 24/2016</u>        |
| Full name :            | DOMENIC CERTO  | •                                |
| Residence:             | Niagara Falls, Ontario (CA)  |                                  |
| Inventor's signature   | ······································   | Date                             |
| Full name :            | JOSEPH J. MOON   |                                  |
| Residence              | Rayerly Hills Michigan (IIS)   |                                  |

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|------------------------|---|------------------------------------|
| Inventor's signature   | ·   | Date                               |
| Full name:             | BRADLEY R. KAAN   |                                    |
| Residence:             | Oxford, Michigan (US)   |                                    |
| Inventor's signature   |   | Date                               |
| Full name:             | DOMENIC CERTO   |                                    |
| Residence:             | Niagara Falls, Ontario (CA)   |                                    |
| Inventor's signature   | alle  | Date 2/25/2016                     |
| Full name:             | JOSEPH J. MOON  |                                    |
| Residence:             | Beverly Hills, Michigan (US)  |                                    |

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PATENT **REEL: 037883 FRAME: 0589** 

**RECORDED: 03/03/2016**