504471137 07/24/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4517839

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| DAVID S. OCHS | 07/20/2017 |
| DR. YO CHAN SON | 07/21/2017 |
| CALEB W. SECREST | 07/20/2017 |

RECEIVING PARTY DATA

| Name: | GM GLOBAL TECHNOLOGY OPERATIONS LLC |
|-------------------|-------------------------------------|
| Street Address: | 300 RENAISSANCE CENTER |
| 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: | 15658132 |

CORRESPONDENCE DATA

Fax Number: (480)385-5061

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 4803855060

Email:docketing@lkglobal.comCorrespondent Name:LORENZ & KOPF, LLPAddress Line 1:7010 E. COCHISE RD.

Address Line 4: SCOTTSDALE, ARIZONA 85253

| ATTORNEY DOCKET NUMBER: | P039540-US-NP (003.1485) | |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER: | JAMES P. DELANEY | |
| SIGNATURE: | /JAMES P. DELANEY/ | |
| DATE SIGNED: | 07/24/2017 | |

Total Attachments: 1

source=20170724_Assignment_003-1485#page1.tif

PATENT REEL: 043083 FRAME: 0537

504471137

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 P039540-US-NP (003.1485) entitled:

SYSTEMS AND METHODS FOR OPERATING MOTORS WITH A SINGLE MOTOR POSITION SIGNAL

| for which application | n for Letters Patent of the United States: | |
|--|--|-------------------------------------|
| has been exe | cuted on even date herewith; | |
| executed on | <u> </u> | |
| was filed on | July 24, 2017 and assigned | U.S. Serial No. <u>15/658,132</u> ; |
| successors and assig | authorizes GM GLOBAL TECHNOL ns, its legal representatives, or anyone it milling date and/or serial number of said appli | ay properly designate, to insert in |
| Inventor's signature Full name : Residence : | DAVID S. OCHS TROY, MICHIGAN | Date 7-20-17 |
| Inventor's signature Full name : Residence : | DR. YO CHAN SON ROCHESTER HILLS, MICHIGAN | Date7/24/2017 |
| Inventor's signature Full name: Residence: | CALEB W. SECREST SHELBY TOWNSHIP, MICHIGAN | Date 7/20/17 |

PATENT REEL: 043083 FRAME: 0538

RECORDED: 07/24/2017