505188223 11/13/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5234992

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| SHUN X. ZHANG | 11/13/2018 |

RECEIVING PARTY DATA

| Name: | GM GLOBAL TECHNOLOGY OPERATIONS LLC | |
|-------------------|-------------------------------------|--|
| Street Address: | P.O. BOX 300 | |
| Internal Address: | MAIL CODE 482-C22-A68 | |
| City: | DETROIT | |
| State/Country: | MICHIGAN | |
| Postal Code: | 48265-3000 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16189273 |

CORRESPONDENCE DATA

Fax Number: (248)689-4071

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: 248-689-3500

Email: bernier@reising.com

Correspondent Name: GENERAL MOTORS CORPORATION C/O REISING E

Address Line 1: 755 W. BIG BEAVER ROAD

Address Line 2: SUITE 1850

Address Line 4: TROY, MICHIGAN 48084

| ATTORNEY DOCKET NUMBER: | P046391-US-NP | |
|-------------------------|------------------------|--|
| NAME OF SUBMITTER: | MICHAEL J. DRUZINSKI | |
| SIGNATURE: | /Michael J. Druzinski/ | |
| DATE SIGNED: | 11/13/2018 | |

Total Attachments: 1

source=2018-11-13_Assignment_P046391#page1.tif

PATENT 505188223 REEL: 047487 FRAME: 0702

ASSIGNMENT

Pursuant to an agreement with my employer and for other valuable consideration, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, including all rights of priority, in the improvements set forth in United States patent application P046391-US-NP entitled

FUSION WELDING OF FERROUS ALLOY COMPONENT PARTS USING LOW CARBON STEEL BAND

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 60770 to insert the application number and filing date of said application here in parentheses (SN 16/189,273 filed November 13, 2018) when known.

Shun Zhang Date 11/13/2018

Inventor's signature

SHUN X. ZHANG

Residence:

Full name:

WEST BLOOMFIELD, MICHIGAN

PATENT REEL: 047487 FRAME: 0703

RECORDED: 11/13/2018