502669581 02/06/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2716188

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING DADTY DATA | |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| QIGUI WANG | 01/31/2014 |
| DALE A. GERARD | 01/31/2014 |

RECEIVING PARTY DATA

| Name: | GM GLOBAL TECHNOLOGY OPERATIONS LLC |
|-------------------|-------------------------------------|
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| State/Country: | MICHIGAN |
| Postal Code: | 48265-3000 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14174240 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | P020334-PTC-CHE |
|-------------------------|------------------------|
| NAME OF SUBMITTER: | CHRISTOPHER I. MEYER |
| Signature: | /Christopher I. Meyer/ |
| Date: | 02/06/2014 |
| | |

Total Attachments: 1

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PATENT REEL: 032159 FRAME: 0805

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 P020334-PTUS-CHE entitled

METHODS OF REDUCING OLD OXIDES IN ALUMINUM CASTINGS

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 75510 to insert the application number and filing date of said application here in parentheses (14/174, 240 filed February 6, 2014) when known.

If the patent application has been filed provisionally, the application number and filing date of said provisional application(s) assigned herein are as follows:

US Provisional Serial No Filed

61/789016 15-MAR-2013

Inventor's signature $\frac{231/2014}{2014}$

Full name: QIGUI_WANG

Residence: ROCHESTER HILLS, MICHIGAN

Inventor's signature Salo Q. IIerry Date 0/31/50x4

Full name: DALE A. GERARD

RECORDED: 02/06/2014

Residence: BLOOMFIELD HILLS, MICHIGAN

PATENT REEL: 032159 FRAME: 0806