505876416 01/22/2020

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| PEI-CHUNG WANG | 11/16/2016 |
| SUSAN M. SMYTH | 11/16/2016 |
| BRADLEY J. BLASKI | 11/21/2016 |
| ZHONGXIA LIU | 11/18/2016 |

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16749362 |

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| DATE SIGNED: | 01/22/2020 |
| Total Attachments: 3 | |

Total Attachments: 3

PATENT REEL: 051585 FRAME: 0501

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PATENT REEL: 051585 FRAME: 0502

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 P035711-US-NP entitled

SYSTEMS AND METHODS FOR JOINING COMPONENTS BY RIVETING

| practitioner associate | a declaration. If the patent application has led with Customer No. to insert the application arentheses (15/355,695 filed Nove | on number and filing date of said |
|-----------------------------------|--|-----------------------------------|
| | ion has been filed provisionally, the applicat lication(s) assigned herein are as follows: | ion number and filing date of |
| US Provisional Seria 62/266808 | il No Filed 14-DEC-2015 | |
| Inventor's signature | Mul | Date Nov. 16, 2016 |
| Full name : | Pei-Chung Wang | |
| Residence : | TROY, MICHIGAN | |
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| Full name : | Susan M, Smyth | |
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| Inventor's signature | | Date |
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| Residence: | STERLING HEIGHTS, MICHIGAN | |

PATENT REEL: 051585 FRAME: 0503

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 P035711-US-NP entitled

SYSTEMS AND METHODS FOR JOINING COMPONENTS BY RIVETING

| practitioner associate | | on has been filed, I authorize any pplication number and filing date of said ed November 18, 2016) when known. |
|-----------------------------------|--|--|
| | on has been filed provisionally, the ication(s) assigned herein are as foll | application number and filing date of ows: |
| US Provisional Seria 62/266808 | l No Filed 14-DEC-2015 | |
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PATENT REEL: 051585 FRAME: 0504

P035711-US-NP, Page 2

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PATENT REEL: 051585 FRAME: 0505

RECORDED: 01/22/2020