#### 11/22/2019 505788307

# PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5835135

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

#### **CONVEYING PARTY DATA**

| Name                | Execution Date |
|---------------------|----------------|
| PEI-CHUNG WANG      | 11/12/2019     |
| SPYROS P. MELLAS    | 11/15/2019     |
| DEBEJYO CHAKRABORTY | 11/15/2019     |
| JAMES MICHAEL WARD  | 11/20/2019     |
| DIANA M. WEGNER     | 11/18/2019     |

#### RECEIVING PARTY DATA

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| City:             | DETROIT                             |
| State/Country:    | MICHIGAN                            |
| Postal Code:      | 48265-3000                          |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16692430 |

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| ATTORNEY DOCKET NUMBER: | P050767-US-NP    |
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| NAME OF SUBMITTER:      | CARLA M. BURNS   |
| SIGNATURE:              | /Carla M. Burns/ |
| DATE SIGNED:            | 11/22/2019       |

**Total Attachments: 4** 

**PATENT** REEL: 051089 FRAME: 0623

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> PATENT REEL: 051089 FRAME: 0624

#### **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 P050767-US-NP entitled

### REAL-TIME WELD QUALITY ANALYSIS SYSTEMS AND METHODS

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 74175 to insert the application number and filing date of said application here in parentheses (16/692, 430 filed November 22, 2019) when known.

| Inventor's signature | py Wig              | Date <u>11-12-2019</u> |
|----------------------|---------------------|------------------------|
| Full name :          | Pei-chung Wang      |                        |
| Residence:           | Troy, Michigan      |                        |
| Inventor's signature |                     | Date                   |
| Full name :          | Spyros P. Mellas    |                        |
| Residence:           | Waterford, Michigan |                        |
| Inventor's signature |                     | Date                   |
| Full name :          | Debejyo Chakraborty |                        |
| Residence:           | Novi, Michigan      |                        |
| Inventor's signature |                     | Date                   |
| Full name:           | James Michael Ward  |                        |
|                      |                     |                        |

Almont, Michigan

Residence:

PATENT REEL: 051089 FRAME: 0625

#### 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 P050767-US-NP entitled

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| Inventor's signature |                     | Date          |
|----------------------|---------------------|---------------|
| Full name:           | Pei-chung Wang      |               |
| Residence :          | Troy, Michigan      |               |
| Inventor's signature | Sont Mills          | Date 11/15/19 |
| Full name:           | Spyros P. Mellas    | , , ,         |
| Residence:           | Waterford, Michigan |               |
| Inventor's signature |                     | Date          |
| Full name:           | Debejyo Chakraborty |               |
| Residence:           | Novi, Michigan      |               |
| Inventor's signature |                     | Date          |
| Full name:           | James Michael Ward  |               |
| Residence :          | Almont, Michigan    |               |

PATENT REEL: 051089 FRAME: 0626

#### **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 P050767-US-NP entitled

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| Inventor's signature | Name of the second seco | Date            |
|----------------------|--|-----------------|
| Full name:           | Pei-chung Wang   |                 |
| Residence:           | Troy, Michigan   |                 |
| Inventor's signature |  | Date            |
| Full name:           | Spyros P. Mellas   |                 |
| Residence:           | Waterford, Michigan  |                 |
| Inventor's signature | Dobej jo Chalishort  | Date 11/5/2019  |
| Full name:           | Debejyo Chakraborty  |                 |
| Residence:           | Novi, Michigan   |                 |
| Inventor's signature | Jus Myan   | Date 11/20/2019 |
| Full name:           | James Michael Ward   |                 |

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P050767-US-NP Page 2

Inventor's signature

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**PATENT** 

**REEL: 051089 FRAME: 0628** 

**RECORDED: 11/22/2019**