## 506053077 05/11/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6099791

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

#### **CONVEYING PARTY DATA**

| Name                     | Execution Date |
|--------------------------|----------------|
| DANIEL ENDECOTT OSGOOD   | 11/15/2019     |
| TINGFAN PANG             | 11/08/2019     |
| GREGORY TERRENCE GARAY   | 11/15/2019     |
| XI YANG                  | 11/04/2019     |
| DANIEL LEE DURSTOCK      | 11/12/2019     |
| STEVEN ROBERT BRASSFIELD | 11/14/2019     |
| WILLIAM CHARLES HERMAN   | 11/12/2019     |

## **RECEIVING PARTY DATA**

| Name:           | GENERAL ELECTRIC COMPANY |  |
|-----------------|--------------------------|--|
| Street Address: | 1 RIVER ROAD             |  |
| City:           | SCHENECTADY              |  |
| State/Country:  | NEW YORK                 |  |
| Postal Code:    | 12345                    |  |

## **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |  |
|---------------------|----------|--|
| Application Number: | 16871186 |  |

## **CORRESPONDENCE DATA**

506053077

**Fax Number:** (616)742-1010

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:** 6167423500

**Email:** patents@mcgarrybair.com

Correspondent Name: MCGARRY BAIR PC / GENERAL ELECTRIC COMPA

Address Line 1: 45 OTTAWA AVE. SW, SUITE 700
Address Line 4: GRAND RAPIDS, MICHIGAN 49503

| <b>ATTORNEY DOCKET NUMBER:</b> 507725-US-1/72266-1302 |                 |
|---|-----------------|
| NAME OF SUBMITTER:                                    | MARK A. DAVIS   |
| SIGNATURE:  | /Mark A. Davis/ |
| DATE SIGNED:  | 05/11/2020      |

PATENT REEL: 052621 FRAME: 0967

| Total Attachments: 9      |  |
|---------------------------|--|
| source=G1384547#page1.tif |  |
| source=G1384547#page2.tif |  |
| source=G1384547#page3.tif |  |
| source=G1384547#page4.tif |  |
| source=G1384547#page5.tif |  |
| source=G1384547#page6.tif |  |
| source=G1384547#page7.tif |  |
| source=G1384547#page8.tif |  |
| source=G1384547#page9.tif |  |
|                           |  |

PATENT REEL: 052621 FRAME: 0968

#### COMBINED DECLARATION AND GLOBAL ASSIGNMENT

#### FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

#### COMPENSATION FOR ADDITIVE MANUFACTURING

| $\boxtimes$ | the specification of which is attached hereto OR   |
|-------------|--|
|             | United States application or PCT international application number  |
|             | filed on, as   |
|             | amended on [date] (if applicable).   |
|             | (We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known.) |

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between General Electric Company, a New York corporation, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

| Inventor   | Inventor Middle | Inventor Last |    | Residence    | Residence | Residence |
|------------|-----------------|---------------|----|--------------|-----------|-----------|
| First Name | Name            | Name          |    | Town         | State     | Country   |
|            |                 |               |    |              |           |           |
| Daniel     | Endecott        | Osgood        | of | Loveland     | ОН        | US        |
| Tingfan    |                 | Pang          | of | West Chester | ОН        | US        |
| Gregory    | Terrence        | Garay         | of | West Chester | ОН        | US        |
| Xi         |                 | Yang          | of | Mason        | ОН        | US        |
| Daniel     | Lee             | Durstock      | of | Fort Wright  | KY        | US        |
| Steven     | Robert          | Brassfield    | of | North Bend   | ОН        | US        |
| William    | Charles         | Herman        | of | Cincinnati   | ОН        | US        |

1

v9.18.12

hereby sell and assign to:

| Name of Company: General Electric Company          |
|--|
| Entity Type (optional): a New York Corporation     |
| Address: 1 River Road, Schenectady, New York 12345 |

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

| Country of Filing | Type of Filing | Application Number | Filing Date | Title |
|-------------------|----------------|--------------------|-------------|-------|
|                   |                |                    |             |       |
|                   |                |                    |             |       |
|                   |                |                    |             |       |

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

| INVENTOR 1   |  |
|--|--|
| Signature: Ju Jan Danlel Endecott Osgood                                   | Date: <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>  |
| Witnessed by: 1 Signature  | Date: 11/15/2019   |
| Ethan Olimba   |  |
| Printed Name of Witness  |  |
| Witnessed by: Signature  | Date: 11/15/2-19   |
| Midwol Simored+(   |  |
| Printed Name of Witness  | 000  |
| SECTION BELOW IS FOR USE ONLY IF S   |  |
| Daniel Endecott Osgood   | Date:  |
| STATE OF SS.   |  |
| This day of  Daniel Endecott Osgood, to me personally I                    | before me personally came the above-named known as the individual who executed the foregoing |
| assignment, who acknowledged to me that he the purposes therein set forth. | e/she executed the same of his/her own free will for   |
| Seal   |  |
|  | (Notary Public)  |

| INVENTOR 2                             | , ,   |
|--|---|
| Signature: Ap C C Tingfan Pang         |   |
| Wilnessed by: BPatersau Signature      |   |
| Brian Peterson Printed Name of Witness |   |
| Witnessed by: Signature                | Date: <u>11/8/2019</u>  |
| EVIN Printed Name of Witness           | — / /<br>—  |
| SECTION BELOW IS FOR USE ONLY II       | SIGNING IN PRESENCE OF A NOTARY   |
| Tingfan Pang                           | Date:   |
| STATE OF                               |   |
| COUNTY OF                              |   |
| This day of                            | before me personally came the above-named the individual who executed the foregoing assignment, ited the same of his/her own free will for the purposes |
| Seal                                   |   |
| ***                                    | (Notary Public)   |

| INVENTOR 3  |   |
|---|---|
| Signature: <u> </u>   | Date:   |
| Witnessed by: Signature   | Date:   |
| Printed Name of Witness  Witnessed by Signature   | Date:   |
| Peter Machaelle Printed Name of Witness  SECTION BELOW IS FOR USE ONLY IF SIG   | NING IN PRESENCE OF A NOTARY  |
| r   | Date:   |
| Gregory Terrence Garay  | /561W-  |
| STATE OF ss. COUNTY OF  |   |
| This day of, Gregory Terrence Garay, to me personally known assignment, who acknowledged to me that he/should the purposes therein set forth. | _ before me personally came the above-named wn as the individual who executed the foregoing ne executed the same of his/her own free will for |
| Seal  |   |
|   | (Notary Public)   |

| INVENTOR 4  |   |   |
|---|---|---|
| Signature: Nyang  |   | Date: <u>U/4/2019</u>   |
| Witnessed by  | hil                                     | Date: <u>11/4/2019</u>  |
| Christopher Ba<br>Printed Name of Witness   | ruhill                                  | -   |
| Witnessed by: Rufe Signatu  | 8th 9                                   | Date: 11/4/2*19   |
| Robert E. Este<br>Printed Name of Witness   | 5 V                                     |   |
| SECTION BELOW IS FOR  | USE ONLY IF SIC                         | SNING IN PRESENCE OF A NOTARY   |
|   |   | Date:   |
| Xi Yang   |   |   |
| STATE OF  |   |   |
| COUNTY OF   | <b>\$</b> \$.                           |   |
| This day of<br>Xi Yang, to me personally kn<br>acknowledged to me that he<br>therein set forth. | own as the individ<br>/she executed the | _before me personally came the above-named<br>lual who executed the foregoing assignment, who<br>same of his/her own free will for the purposes |
| Seal  |   |   |
|   |   | (Notary Public)   |

e

| INVENTOR 5   |  |  |
|--|--|--|
| Signature: Date: 1/-12-2019  Daniel Lee Durstock   |  |  |
| Witnessed by: Date: 11-12-2619 Signature   |  |  |
| Miller L Simon と計( Printed Name of Witness   |  |  |
| Witnessed by Signature Date: //- /2 - 20/9   |  |  |
| <u>Oristopher ////icms</u> Printed Name of Witness   |  |  |
| SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY   |  |  |
| Date:Date:   |  |  |
|  |  |  |
| STATE OF ss. COUNTY OF   |  |  |
| This day of, before me personally came the above-name Daniel Lee Durstock, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth. |  |  |
| Seal   |  |  |
| (Notary Public)  |  |  |

7

| INVENTOR 6 Signature: Steven Robert Brassfield  | Date: 11/14/2019 |  |
|---|------------------|--|
| Witnessed by: Black Signature   | Date: 11/19/2019 |  |
| Brian Peterson Printed Name of Witness  |                  |  |
| Witnessed by: 477/2024  | Date:            |  |
| Printed Name of Witness   |                  |  |
| SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY  |                  |  |
| Date: Steven Robert Brassfield  |                  |  |
| STATE OF ss. COUNTY OF  |                  |  |
| This day of before me personally came the above-named Steven Robert Brassfield, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth. |                  |  |
| Sea!  |                  |  |
|   | (Notary Public)  |  |

8

| INVENTOR 7  |   |
|---|---|
| Signature: Alexandres Herman  | — Date: <u>//-/Z-ZWP</u>  |
| Witnessed by: MNE Stepmill Signature  | ,<br>~ Date: <u>//-/Z-Z0/</u> 9   |
| Mark E. Stegem Ver Printed Name of Witness  |   |
| Witnessed by: Signature   | Date: 1/- 12-7019   |
| Tondhan M. Rausch Printed Name of Witness   |   |
| SECTION BELOW IS FOR USE ONLY IF SIG  | NING IN PRESENCE OF A NOTARY  |
| [   | Date:   |
| William Charles Herman  |   |
| STATE OF ss.  |   |
| This day of, William Charles Herman, to me personally kno assignment, who acknowledged to me that he/sl the purposes therein set forth. | _ before me personally came the above-named wn as the individual who executed the foregoing ne executed the same of his/her own free will for |
| Seal  |   |
|   | (Notary Public)   |

9

PATENT REEL: 052621 FRAME: 0977