

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7656891

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
V S S SRIVATSA PONNADA	07/15/2020
VENKATA DHARMA SURYA NARAYANA SASTRY RACHAKONDA	07/07/2020
MEGHA NAVALGUND	07/07/2020
PÅR CHRISTOFFER ARUMSKOG	06/11/2020
MATTIAS FAGER	07/28/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GENERAL ELECTRIC COMPANY
<b>Street Address:</b>	1 RIVER ROAD
<b>City:</b>	SCHENECTADY
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	12345
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17991462
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	3125801020
<b>Email:</b>	cgeorge@hfzlaw.com, fmartinez@hfzlaw.com
<b>Correspondent Name:</b>	HANLEY, FLIGHT AND ZIMMERMAN, LLC
<b>Address Line 1:</b>	150 S. WACKER DRIVE
<b>Address Line 2:</b>	SUITE 2200
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	502666-US-5
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER N. GEORGE
<b>SIGNATURE:</b>	/Christopher N. George/
<b>DATE SIGNED:</b>	11/21/2022
<b>Total Attachments: 7</b>	

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**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:

**SYSTEMS, AND METHODS FOR DIAGNOSING AN ADDITIVE MANUFACTURING DEVICE  
USING A PHYSICS ASSISTED MACHINE LEARNING MODEL**

- ☒ the specification of which is attached hereto OR
- ☐ United States application or PCT international application number \_\_\_\_\_, as amended on [date] (if applicable).  
(I 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 First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
V S S Srivatsa		Ponnada	of	Bengaluru		India
Venkata Dharma Surya Narayana	Sastry	Rachakonda	of	Bengaluru		India

Megha		Navalgund	of	Bengaluru		India
Pär	Christoffer	Arumskog	of	Molnlycke		Sweden
Mattias		Fager	of	Molnlycke		Sweden

hereby sell and assign to:

Name of Company: <i>General Electric Company</i>
Entity Type (optional): <i>New York corporation</i>
Address: <i>1 River Road, Schenectady, New York 12345 USA</i>

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: VSS Ponnada  
V S S Srivatsa Ponnada

Date: 15-07-2020

Witnessed by: [Signature]  
Signature

Date: 15-07-2020

PONNADA ESWARA BHASKARNAI  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 15-07-2020

PONNADA V S S R SARAT CHANDRA  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
V S S Srivatsa Ponnada Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named V S S Srivatsa Ponnada, 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)

INVENTOR 2

Signature R.V.D.S.N. Sastry Date 7/7/2020  
Venkata Dharma Surya Narayana Sastry Rachakonda

Witnessed by: M. Neelima Date 7/7/2020  
Signature

NEELIMA MANGSUDU  
Printed Name of Witness

Witnessed by: Thulasi Dharan Date 26/7/2020  
Signature

THULASIDHARAN  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

\_\_\_\_\_  
Venkata Dharma Surya Narayana Sastry Rachakonda Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_ before me personally came the above-named Venkata Dharma Surya Narayana Sastry Rachakonda, 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)

INVENTOR 3

Signature:   
Megha Naval Gund

Date: 07 Jul 2020

Witnessed by:   
Signature  
M.R. SRIDHAR  
Printed Name of Witness

Date: 07 JUL 2020

Witnessed by:   
Signature  
Ugandhar Reddy  
Printed Name of Witness

Date: 07/07/2020

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\_\_\_\_\_  
Megha Naval Gund

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Megha Naval Gund, 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)

INVENTOR 4

Signature: Pär  
Pär Christoffer Arumskog

Date: 2020 June 11<sup>th</sup>

Witnessed by: [Signature]  
Signature

Date: 2020 June 11<sup>th</sup>

Teader Olsson  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 2020 June 11<sup>th</sup>

Bahadır Güngör  
Printed Name of Witness

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\_\_\_\_\_  
Pär Christoffer Arumskog

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Pär Christoffer Arumskog**, 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)



INVENTOR 5

Signature: [Signature]  
**Mattias Fager**

Date: 28/07/2020

Witnessed by: [Signature]  
Signature

Date: 28/07/2020

Sanna Fager  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 28/08/2020

AKERBLIX  
Printed Name of Witness

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\_\_\_\_\_  
**Mattias Fager** Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Mattias Fager**, 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)