PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4819308

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES ZHENGSHE LIU	02/08/2018
NAVEEN STEPHAN CHANDRA	02/08/2018

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC		
Street Address:	FAIRLANE PLAZA SOUTH SUITE 800		
Internal Address:	330 TOWN CENTER DRIVE		
City:	DEARBORN		
State/Country:	MICHIGAN		
Postal Code:	48126		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15893471

CORRESPONDENCE DATA

Fax Number: (971)271-8021

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.

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Address Line 4: PORTLAND, OREGON 97205-3335

ATTORNEY DOCKET NUMBER:	324247-1
NAME OF SUBMITTER:	CARALINA M. CASPERSON
SIGNATURE: /Caralina M. Casperson/	
DATE SIGNED:	02/09/2018

Total Attachments: 4

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PATENT 504772580 REEL: 044886 FRAME: 0743

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PATENT REEL: 044886 FRAME: 0744

COMBINED DECLARATION AND GLOBAL ASSIGNMENT

FOR UTILITY OR DESIGN PATENT APPLICATION

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

This declaration and assignment are directed to:

the specification of which is attached hereto OR United States application or PCT international application number 15/893,471 filed on February 9, 2018, 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, we.

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
James	Zhengshe	Liu	of	Salt Lake City	UT	US
Naveen	Stephan	Chandra	of	Salt Lake City	υT	US

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PATENT REEL: 044886 FRAME: 0745 hereby sell and assign to:

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

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.

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INVENTOR 1 Q and -		
Signature American American Signature Shengshe Liu	Date: <u>2/8/2018</u>	
and the grant flat in many		
Witnessed by: Signature	Date:	
Printed Name of Witness		
Witnessed by:Signature	Date:	
Printed Name of Witness		
SECTION BELOW IS FOR USE ONLY IF SIG		****
STATE OF ss. COUNTY OF		
This <u>day of Florusy</u> . <u>ODE</u> inventor, <u>James Zhengshe Liu</u> , to me person foregoing assignment, who acknowledged to me tree will for the purposes therein set forth.	nally known as the individual who executed	d the
Seei Sonada Shandu	(Notary Public)	
SHERADAN L PARDUN NORW PURIC STORE OF USEN COMMISSIONE SERVER		

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INVENTOR 2	
Signature:	Date: <u>02/08/2918</u>
Witnessed by:Signature	Date:
Printed Name of Witness	~
Witnessed by:Signature	Date:
Printed Name of Witness	
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	Date: 02/08/2018
Naveen Stephan Chandra	
STATE OF se.	
- inventor, <u>Naveen Stephan Chantira,</u> to me pen	Before me personally came the above-named sonally known as the individual who executed the that he/she executed the same of his/her own
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	(Notary Public)
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