# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5736452

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
LUKE NIEWIADOMSKI	09/16/2019
BRUNO SIELLY JALES COSTA	09/16/2019
NIKHIL NAGRAJ RAO	09/23/2019
DOUGLAS J. ROGAN	09/23/2019

### **RECEIVING PARTY DATA**

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

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16581958

### **CORRESPONDENCE DATA**

### Fax Number:

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:** 616-949-9610

**Email:** ptomail@priceheneveld.com

Correspondent Name: MICHAEL T. HAGES/PRICE HENEVELD LLP

Address Line 1: 695 KENMOOR S.E. Address Line 2: P. O. BOX 2567

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ATTORNEY DOCKET NUMBER:	84159924
NAME OF SUBMITTER:	MICHAEL T. HAGES
SIGNATURE:	/Michael T. Hages/
DATE SIGNED:	09/25/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

# Total Attachments: 4 source=1EY5565#page1.tif source=1EY5565#page2.tif source=1EY5565#page3.tif source=1EY5565#page4.tif

Use an additional declaration form for each additional inventor.

Attorney Docket Number	84159924

# ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) Title of Invention DIFFERENTIATING BETWEEN NEAR TRAILER AND CONNECTED TRAILER This declaration is directed to: The attached application, or United States application or PCT international application number . (I hereby authorize the insertion of the application filing date and filed on number into this form when they become known.) The above-identified application was made or authorized to be made by me. I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. , Filing Date ), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications. And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over. And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both. LEGAL NAME OF INVENTOR Inventor: Luke Niewiadomski Date: Signature: Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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Attorney Docket Number	84159924	
TRIVITICY DOCKER INCHIDES	071377268	

# ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

DESIGN APPLICATION USING AN APPLICATION DATA SHEET (5/ C.F.K. 1.76)		
<b>}</b> .	DIFFERENTIATING BETWEEN NEAR TRAILER AND CONNECTED IRAILER	
This declaration is directed		
	ched application, or tates application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and	
number into this form when	they become known.)	
The above-identified applic	cation was made or authorized to be made by me.	
I hereby state that I have including the claims.	reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the original	nal inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-part applic	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ations, material information which became available between the filing date of the prior I or PCT international filing date of the continuation-in-part application.	
FORD GLOBAL TECHNO of the State of Delaware, hereinafter referred to as t interest, domestic and forei of the ASSIGNEE, its successor name or names, or in my n insert the serial/application.  ASSIGNEE, its successor applications, in and to the insert the serial to the serial to the insert the serial to the insert the serial to the series the series the series the series that the series the series that the series the series that the series the series the series that the seri	nt agreement heretofore made or by contractual obligation, I do sell, assign and set over unto DLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws having its principal place of business at Dearborn, County of Wayne, and State of Michigan, he ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and gn, in and to the inventions and discoveries in the above-identified invention including the right cessors, assigns or other legal representatives to make applications and to receive Letters Patent overies in any and all countries, entities and intergovernmental organizations, in its or their own ame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to a number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————	
And I hereby agree for my including applications for organizations, and to perfo	rself, my heirs, successors, assigns or other legal representatives to execute any and all papers, Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental rm any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives are thereto the rights herein sold, assigned and set over.	
And I hereby represent and	warrant that I have not granted any rights inconsistent with the rights granted herein.	
or imprisonment of not mo	any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine re than five (5) years or both.	
LEGAL NAME OF INVE	NTOR	
Inventor: Bruno Siell	y Jales Costa , Date: 09/16/2019	
Signature: <u>B</u>	Lully Jales Costa	
Note: An Application Data S	theet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	
Use an additional declaration	form for each additional inventor.	

Attorney Docket Number	84159924

# ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	DIFFERENTIATING BETWEEN NEAR TRAILER AND CONNECTED	
	TRAILER	
This declaration is direct	ed to:	
The attached application, or United States application or PCT international application number filed on		
number into this form wh	en they become known.)	
The above-identified app	lication was made or authorized to be made by me.	
I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.	
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.		
FORD GLOBAL TECHI of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and diname or names, or in my insert the serial/applications.  ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws and having its principal place of business at Dearborn, County of Wayne, and State of Michigan, at the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and reign, in and to the inventions and discoveries in the above-identified invention including the right accessors, assigns or other legal representatives to make applications and to receive Letters Patent accoveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to it ion number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————	
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over.		
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.		
or imprisonment of not m	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.	
LEGAL NAME OF INV	ENTOR	
Inventor: Nikhil Na	graj Rao Date: 23 Sep 2019	
Signature:	ill p. N.	
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		
	a form for each additional inventor.	

Please direct all correspondence to: 28415

Attorney Docket Number	84159924

# ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) DIFFERENTIATING BETWEEN NEAR TRAILER AND CONNECTED Title of Invention TRAILER This declaration is directed to: The attached application, or United States application or PCT international application number filed on \_\_\_\_\_. (I hereby authorize the insertion of the application filing date and number into this form when they become known.) The above-identified application was made or authorized to be made by me. I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications. And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over. And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both. LEGAL NAME OF INVENTOR Date: 9/23/2019Inventor: Signature: Note: An Application Data Sheet (PTO/SB/14' or Vquivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 050483 FRAME: 0477

RECORDED: 09/25/2019

Use an additional declaration form for each additional inventor.