PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6017560

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KYLE SIMMONS	03/05/2020
LUKE NIEWIADOMSKI	03/05/2020
ROGER TROMBLEY	03/09/2020
FREDERIC CHRISTEN	03/09/2020
CHRISTOPH KESSLER	03/09/2020
KATHERINE ROUEN	03/06/2020
ERICK MICHAEL LAVOIE	03/05/2020
HAMID M. GOLGIRI	03/05/2020
BRUNO SIELLY JALES COSTA	03/08/2020
NIKHIL NAGRAJ RAO	03/06/2019
VIDYA NARIYAMBUT MURALI	03/06/2020
JOHN MICHAEL CELLI	03/06/2020
FRANK GOLUB	03/09/2020
SEYED ARMIN RAEIS HOSSEINY	03/06/2020
BO BAO	03/05/2020
SIYUAN MA	03/16/2020
HEMANTH YADAV ARADHYULA	03/05/2020

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:	16821034	

CORRESPONDENCE DATA

PATENT REEL: 052137 FRAME: 0787

505970852

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

Address Line 4: GRAND RAPIDS, MICHIGAN 49501-2567

ATTORNEY DOCKET NUMBER:	84096618
NAME OF SUBMITTER:	MICHAEL T. HAGES
SIGNATURE:	/Michael T. Hages/
DATE SIGNED:	03/17/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 17
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Attorney Docket Number	84096618

Title of Invention	System and Method for Remote Automated Vehicle Alignment with a Trailer for Hitching
This declaration is direct	ed to:
United	ached application, or States application or PCT international application number filed on
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I hav 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.
conunuation-m-part_appi	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior al or PCT international filing date of the continuation-in-part application.
of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and dis name or names, or in my insert the serial/applications. ASSIGNEE, its successor applications, in and to the	deep tent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto IOLOGIES, 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, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and eign, in and to the inventions and discoveries in the above-identified invention including the right ecessors, assigns or other legal representatives to make applications and to receive Letters Patent coveries 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 on number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
organizations, and to perfe	yself, 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 orm any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives cure thereto the rights herein sold, assigned and set over.
And I hereby represent and	I warrant that I have not granted any rights inconsistent with the rights granted herein.
or unprisonment of not mo	any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine are than five (5) years or both.
LEGAL NAME OF INVE Inventor: <u>Kyle Simm</u>	
Signature: My	
	Shoot /PTO/CD/14
Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

Attorney Docket Number	84096618

Title of Invention System an Trailer for	d Method for Remote Automated Vehicle Alignment with a Hitching
This declaration is directed to:	
The attached applicatio United States applicatio filed on _ number into this form when they become	on or PCT international application number
The above-identified application was mad	e or authorized to be made by me.
	understand the contents of the specification in the above-identified application,
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-in-part applications, materia	ation which is material to patentability as defined in 37 C.F.R. 1.56, including for all information which became available between the filing date of the prior ational filing date of the continuation-in-part application.
of the State of Delaware, having its prime hereinafter referred to as the ASSIGNEE interest, domestic and foreign, in and to the of the ASSIGNEE, its successors, assigns for the inventions and discoveries in any aname or names, or in my name, at its or thinsert the serial/application number and ASSIGNEE, its successors, assigns or applications, in and to the inventions and of	cretofore made or by contractual obligation, I do sell, assign and set over unto C, a Ford Motor Company subsidiary, organized and existing by virtue of the laws cipal place of business at Dearborn, County of Wayne, and State of Michigan, its successors, assigns or other legal representatives, the entire right, title and the inventions and discoveries in the above-identified invention including the right or other legal representatives to make applications and to receive Letters Patent and all countries, entities and intergovernmental organizations, in its or their own their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to filing date of the application to receive Letters Patent herein: Serial No. to the other legal representatives, all rights of priority, including any provisional discoveries in any and all countries, entities and intergovernmental organizations fit of the filing date hereof, continuations, continuations-in-part, divisionals,
	successors, assigns or other legal representatives to execute any and all papers, f any and all kinds and in any and all countries, entities and intergovernmental acts which the ASSIGNEE, its successors, assigns or other legal representatives ights herein sold, assigned and set over.
And I hereby represent and warrant that I ha	ave not granted any rights inconsistent with the rights granted herein.
hereby acknowledge that any willful false or imprisonment of not more than five (5) y LEGAL NAME OF INVENTOR	e statement made in this declaration is punishable under 18 U.S.C. 1001 by fine lears or both.
nyenton: Luko Minuda da	Date: 3/5/2020
Signature:	
Note: An Application Data Sheet (PTO/SB/14 Jse an additional declaration form for each addit	or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	84096618

Title of Invention	System and Method for F Trailer for Hitching	Remote Automated '	Vehicle Alignment with a	
This declaration is directed	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 app	lication was made or authorized to be	made by me.		
I hereby state that I hav including the claims.	e reviewed and understand the conf	ents of the specification in	the above-identified application,	
I believe that I am the ori	ginal inventor or an original joint inv	entor of a claimed invention	a in the application.	
continuation-in-part appl	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 TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or le NOLOGIES, LLC, a Ford Motor Core, having its principal place of busing the ASSIGNEE, its successors, asserign, in and to the inventions and diaccessors, assigns or other legal repressoration and all countries, en mame, at its or their election (and I it film number and filing date of the principal plate. Filing Date cors, assigns or other legal represse inventions and discoveries in any and all countries in any and all countries in any and company the core inventions and discoveries in any and as claiming benefit of the filing due applications.	npany subsidiary, organized ness at Dearborn, County or ne	d and existing by virtue of the laws of Wayne, and State of Michigan, intatives, the entire right, title and tified invention including the right tions and to receive Letters Patent of organizations, in its or their own GNEE or ASSIGNEE's attorney to Letters Patent herein: Serial No. by sell, assign and set over to the tiority, including any provisional and intergovernmental organizations	
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 nore than five (5) years or both.	n this declaration is punish	able under 18 U.S.C. 1001 by fine	
LEGAL NAME OF INV				
Inventor: Roger Tro	ombley	Date:	3/9/2020	
Signature:/Roger	Trombley/			
, 2.	Sheet (PTO/SB/14 or equivalent), inclu	ding naming the entire invent	ive entity, must accompany this form.	

Attorney Docket Number	84096618	

THE OLINVEHUOR	Trailer for Hitching
This declaration is direct	
	sached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and ten 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.	re 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.
continuation-in-part app	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for lications, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHTOR of the State of Delaward hereinafter referred to an interest, domestic and for of the ASSIGNEE, its state of the inventions and diname or names, or in my insert the serial/applica. ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss. And I hereby agree for a including applications for	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 at having its principal place of business at Dearborn, County of Wayne, and State of Michigan, as 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own reason and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
	ecure thereto the rights herein sold, assigned and set over. Indicate the rights herein sold, assigned and set over.
I hereby acknowledge th or imprisonment of not n	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both.
LEGAL NAME OF INV	
Inventor: Frederic 6	Infrisen Date: <u>∞0(03) coa co</u>
Signature:	Christen Date: 9//35/6020
Note: An Application Date	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
	on form for each additional inventor.

Attorney Docket Number	

1 itle of Invention	System and Method for Remote Automated Venicle Alignment With a Trailer for Hitching
This declaration is directed	
	sached application, or States application or PCT international application number filed on
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I have including the claims.	re 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.
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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.	
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 ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both.
LEGAL NAME OF INV Inventor: Christoph	ENTOR // / A Mam ()))
Signature:	<u>Uhrun</u>
Maria Analisada Nas	Chast (DTO/CD/14
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	94004619
Amorney Docker Number	04020010

line of invention	System and Method for Remote Automated Vehicle Alignment with a Trailer for Hitching
This declaration is directe	
United	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and ten they become known.)
The above-identified appl	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 orig	ginal inventor or an original joint inventor of a claimed invention in the application.
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FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu And I hereby agree for n including applications for organizations, and to perf	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 a having its principal place of business at Dearborn, County of Wayne, and State of Michigan, 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 scoveries 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 tion number and filing date of the application to receive Letters Patent herein: Serial No.
And I hereby represent an	nd 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 nore than five (5) years or both.
LEGAL NAME OF INVI Inventor: Katherine	
Signature: Kath	17404.
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. n form for each additional inventor.

Attorney Docket Number	84096618

Title of Invention	System and Method for Remote Automated Vehicle Alignment with a
90000000000000000000000000000000000000	Trailer for Hitching
This declaration is directed	ed to:
77.35.3	States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then 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.	re reviewed and understand the contents of the specification in the above-identified application,
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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. ———————————————————————————————————	
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 a	and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not r	nat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.
LEGAL NAME OF INV	VENTOR 3/C/2021
Inventor: <u>Erick Mi</u>	chaet Lavoie Date.
Signature: Cach Michael Javin	
Note: An Application Dat	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional declaration	on form for each additional inventor.

PATENT

REEL: 052137 FRAME: 0795

Attorney Docket Number	84096618

Title of Invention	System and Method for Remote Automated Vehicle Alignment with a Trailer for Hitching
This declaration is directed	ed to:
United	States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.)
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I hav including the claims.	e reviewed and understand the contents of the specification in the above-identified application,
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continuation-in-part appl	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for lications, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHT of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicat ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	
including applications for organizations, and to per-	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
And I hereby represent ar	nd 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 tore than five (5) years or both.
LEGAL NAME OF INV	
Inventor: Hamid M.	Golgiri Date: 3/3/2020
Signature:	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

PATENT

REEL: 052137 FRAME: 0796

Attorney Docket Number 8	34096618

Title of Invention	System and Method for Remote Automated Vehicle Alignment with a Trailer for Hitching
This declaration is directed	ed to:
	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and en they become known.)
The above-identified app	lication was made or authorized to be made by me.
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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.	
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And I hereby represent ar	nd 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 INVI	ENTOR Illy Jales costa , Date: 03/08/2020
Signature: Bruno Sie	Sully 1 Con to
	00
Note: An Application Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	84096618

Title of Invention	System and Method for Remote Automated Vehicle Alignment with a	
	Trailer for Hitching	
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The above-identified app	lication was made or authorized to be made by me.	
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FORD GLOBAL TECHI of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its so for the inventions and di name or names, or in my insert the serial/applican ASSIGNEE, its success applications, in and to th including all application reexaminations and reissi	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 having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own mame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————	
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	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both.	
LEGAL NAME OF INV		
Inventor: Nikhil Na	igraj Rao Date: 06 MAVIL 2019	
Signature: Nill	· [· · · · · · · · · · · · · · · · · ·	
Motes An Application Part	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	
	in Speci (P10/8b/14 or equivalent), including naming the chine inventive entry, must accompany this form,	

Attorney Docket Number	84096618

Title of Invention	System and Method for Re Trailer for Hitching	mote Automated V	ehicle Alignment with a
This declaration is directed		***************************************	
United	ached application, or States application or PCT international filed on (I hereb nen they become known.)	application number y authorize the insertion o	of the application filing date and
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FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and di name or names, or in my insert the serial/applicate ASSIGNEE, its success applications, in and to th including all application reexaminations and reisse And I hereby agree for the	nyself, my heirs, successors, assigns o	any subsidiary, organized as at Dearborn, County of as or other legal represent overies in the above-identification of the application of the appl	and existing by virtue of the laws. Wayne, and State of Michigan, tatives, the entire right, title and fied invention including the right ons and to receive Letters Patent organizations, in its or their own NEE or ASSIGNEE's attorney to etters Patent herein: Serial No. by sell, assign and set over to the prity, including any provisional intergovernmental organizations continuations-in-part, divisionals, the set of 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 a	nd warrant that I have not granted any ri	ghts inconsistent with the	rights granted herein.
or imprisonment of not m	at any willful false statement made in toore than five (5) years or both.	his declaration is punishab	ble under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV Inventor: Vidya Na		Date:	03/06/2020
•	Militar	12400.	and the first state of the state of the state of
	a Sheet (PTO/SB/14 or equivalent), including form for each additional inventor.	ng naming the entire inventiv	re entity, must accompany this form.

Attorney Docket Number	84096618

rine of invention	System and Method for Remote Automated Vehicle Alignment with a Trailer for Hitching
This declaration is direct	ed to:
United	stached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and they become known.)
Į.	
	lication was made or authorized to be made by me.
I hereby state that I hav including the claims.	e reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the original	ginal inventor or an original joint inventor of a claimed invention in the application.
application and the nation	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior alor PCT international filing date of the continuation-in-part application.
of the State of Delaware, hereinafter referred to as interest, domestic and force of the ASSIGNEE, its succommendation of the inventions and discontant of names, or in my insert the serial/application. ASSIGNEE, its successor applications, in and to the	ent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto IOLOGIES, 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, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and eign, in and to the inventions and discoveries in the above-identified invention including the right excessors, assigns or other legal representatives to make applications and to receive Letters Patent coveries 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 on number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
organizations, and to performay deem necessary to sec	yself, 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.
hereby acknowledge that or imprisonment of not mor LEGAL NAME OF INVEN	any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine attribute.
nventor: John Michael	
Signature: Joh I	Mell John John
lote: An Application Data Sl Ise an additional declaration for	heet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	84096618

Title of Invention	System and Method for Re Trailer for Hitching	mote Automated	Vehicle Alignment with a
This declaration is directed	ed to:		
☐ United	ached application, or States application or PCT international filed on (I hereb ten they become known.)	application number y authorize the insertic	on of the application filing date and
The above-identified app	lication was made or authorized to be m	ade by me.	
I hereby state that I hav including the claims.	e reviewed and understand the conten	ts of the specification	in the above-identified application,
I believe that I am the ori	ginal inventor or an original joint inven	tor of a claimed inventi	on in the application.
continuation-in-part appl	disclose information which is material fications, material information which hal or PCT international filing date of th	became available bet	ween the filing date of the prior
FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and di name or names, or in my insert the serial/applicate ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or by NOLOGIES, LLC, a Ford Motor Compe, having its principal place of business the ASSIGNEE, its successors, assigneign, in and to the inventions and disconcessors, assigns or other legal represense of the mane, at its or their election (and I hereton number and filing date of the proof, assigns or other legal represense inventions and discoveries in any and as claiming benefit of the filing date applications.	any subsidiary, organizs at Dearborn, County as or other legal represoveries in the above-ide ntatives to make applicates and intergovernment eby authorize the ASS application to receive	ed and existing by virtue of the laws of Wayne, and State of Michigan, sentatives, the entire right, title and entified invention including the right cations and to receive Letters Patent stal organizations, in its or their own IGNEE or ASSIGNEE's attorney to Letters Patent herein: Serial No. reby sell, assign and set over to the priority, including any provisional and intergovernmental organizations
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 ar	nd warrant that I have not granted any ri	ghts inconsistent with t	he rights granted herein.
	at any willful false statement made in toore than five (5) years or both.	his declaration is punis	hable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV		D - 4	March 9, 2020
Inventor: Frank Gol		Date:	
Signature:	D: 417		
	Sheet (PTO/SB/14 or equivalent), including form for each additional inventor		ntive entity, must accompany this form.

Attorney Docket Number	84096618

Title of Invention	System and Method for Remote Automated Vehicle Alignment with a	
00000000000000000000000000000000000000	Trailer for Hitching	
This declaration is directed	ed to:	
	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.)	
The above-identified app	lication was made or authorized to be made by me.	
I hereby state that I havincluding 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.	
continuation-in-part app	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for lications, material information which became available between the filing date of the prior nal 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 st for the inventions and di- name or names, or in my insert the serial/applications.	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 a having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is 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 accessors, assigns or other legal representatives 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 the store and filing date of the application to receive Letters Patent herein: Serial No. Filing Date	
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 a	nd 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 nore than five (5) years or both.	
LEGAL NAME OF INV		
Inventor: Seyed Arm	nin Raeis Hosseiny Date: 3/6/2020	
Signature: $\bigcirc R$	4-5	
	O	
	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.	

Attorney Docket Number	84096618

Title of Invention	System and Method for Remote Automated Vehicle Alignment with a Trailer for Hitching	
This declaration is directed	ed to:	
United	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.)	
The above-identified app	lication was made or authorized to be made by me.	
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FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its st for the inventions and di- name or names, or in my insert the serial/applicate 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 e, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own a name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to be incompanied in the property of the second 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.		
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 INV	ENTOR Date: 3.5.2020	
Inventor: Bo Bao	Date:	
Signature:		
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.	

Attorney Docket Number	84096618
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title of invention	Trailer for Hitching	note Automated ve	nicie Alignment with a
This declaration is directed			
United	ached application, or States application or PCT international a filed on (I hereby ten they become known.)		the application filing date and
The above-identified app	lication was made or authorized to be ma	ide by me.	
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I believe that I am the ori	ginal inventor or an original joint invento	or of a claimed invention in	the application.
continuation-in-part appl	disclose information which is material lications, material information which hal or PCT international filing date of the	became available between	the filing date of the prior
FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or by on NOLOGIES, LLC, a Ford Motor Compae, having its principal place of business the ASSIGNEE, its successors, assign reign, in and to the inventions and disconcessors, assigns or other legal represer scoveries in any and all countries, entition name, at its or their election (and I here ion number and filing date of the analysis or other legal representate inventions and discoveries in any and as claiming benefit of the filing date in applications.	ny subsidiary, organized an at Dearborn, County of V s or other legal representativeries in the above-identificatatives to make application and intergovernmental organization to receive Lett	d existing by virtue of the laws Vayne, and State of Michigan, tives, the entire right, title and ed invention including the right as and to receive Letters Patent reganizations, in its or their own EE or ASSIGNEE's attorney to ers Patent herein: Serial No. sell, assign and set over to the ty, including any provisional intergovernmental organizations
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or r Letters Patent of any and all kinds an form any and all acts which the ASSIG ecure thereto the rights herein sold, assign	d in any and all countries, NEE, its successors, assign	entities and intergovernmental
And I hereby represent ar	nd warrant that I have not granted any rig	thts inconsistent with the rig	ghts granted herein.
	at any willful false statement made in the nore than five (5) years or both.	is declaration is punishable	e under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV	ENTOR	Data	3/16/202
Inventor: Siyuan M		Date:	U: CUILLUIL
Signature: Siyua.	n Ma		
, 2.	Sheet (PTO/SB/14 or equivalent), including	g naming the entire inventive	entity, must accompany this form.

RECORDED: 03/17/2020

Attorney Docket Number	84096618

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)

Trailer for Hitching			
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 an 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 un FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the law 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 are 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 Pater 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 insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial N., Filing Date			
including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernment organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representative 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 firm imprisonment of not more than five (5) years or both.			
LEGAL NAME OF INVENTOR Inventor: Hemanth Yadav Aradhyula Date: 03/05/2020			
Signature: hymanth yollow			
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this for			
Use an additional declaration form for each additional inventor.			

PATENT

REEL: 052137 FRAME: 0805