505665720 09/11/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5712527

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUKE NIEWIADOMSKI	08/29/2019
ROGER TROMBLEY	08/30/2019
SEYED ARMIN RAEIS HOSSEINY	08/30/2019
BO BAO	09/06/2019
KATHERINE ROUEN	09/09/2019
BENJAMIN DION	09/03/2019
CLAY CUNDIFF	09/11/2019

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:	29705301

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 SE

Address Line 4: GRAND RAPIDS, MICHIGAN 49501

NAME OF SUBMITTER:	MICHAEL T. HAGES	
SIGNATURE:	/Michael T. Hages/	
DATE SIGNED:	09/11/2019	

PATENT REEL: 050338 FRAME: 0510

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	This document serves as an Oath/Declaration (37 CFR 1.63).		
Total Attachments: 7			
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source=1EW7366#page7.tif			

REEL: 050338 FRAME: 0512

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)

A sile of Invention	Display Screen with Graphical Interface or Portion Thereof Including a Fragmented Target Overlay
The declaration is directly	iel to
	Methed application or # States application or PCT international application number
The above-oranies ap	plication was made or authorized to be made by me
l hereby state that I had another the claims	we reviewed and understand the contents of the specification in the above-identified application.
The line of the land the second control of the land the	ignal inventor or as original joint inventor of a claimed invention in the application.
continuation-in-part up	exclusions information which is material to patentiability as defined in 37 C.F.R. 1.56, including for discusors, material information which became available between the filing date of the prior maker PCT international filing date of the continuation-in-part application.
FORD CLOMAL TECH of the Shite of Delevat neverther referred to a nitroes, distribution of it the 455100000 its	ment agreement heretofore made or by contractual obligation. I do self, assign and set over into NOLOGIES LTC a Ford Motor Company subsidiary organized and existing by orthe of the laws e. having its principal place of business at Dearborn, County of Wayne, and State of Michigan, a the ASSIGNEE, its successors, assigns or other legal representatives, the entire right title and preign in and to the inventions and discoveries in the above-identified invention including the right pacessors, assigns or other legal representatives to make applications and to receive Letters Patent
tanc ornancs, or in m	Servenes in any and all countries, entines and interprocerumental organizations, in its or mentions chame, as its or their election (and I bereby authorize the ASSIGNEE or ASSIGNEE) altornes to their number and filing date of the application to receive Letters Parent herein. Send No.
	Filing Date 1. and I hereby sell, assign and set over to the sorts, assigns or other legal representatives, all rights of priority, including any provisional is inventions and discoveries in any and all countries entities and intergovernmental organizations as channing benefit of the filing date hereof, continuations, continuations in part, discounds the applications.
notice the production of the per-	model, my hors, successors, assigns or other legal representatives to execute any and all papers. In Letters Patent of any and all kinds and in any and all countries, entries and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives come thereto the rights become sold, assigned and services.
that thereby represent a series	to the finite not contest any right inconsistent with the rights granted become
	acany without the statement made in this declaration is principable under 1841. Six 1941 to appear to the first search of the
Post NAME of TVV Lucy Ne	
ngnature 🔑	PATENT

Attorney Docket Number	84150718	

Title of invention	a Fragmented Target Overlay
This declaration is directed	
☐ 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 appl	lication was made or authorized to be made by me.
I hereby state that I hav 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 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 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	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 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 ion number and filing date of the application to receive Letters Patent herein: Serial No.
ASSIGNEE, its success applications, in and to the	ors, assigns or other legal representatives, all rights of priority, including any provisional e inventions and discoveries in any and all countries, entities and intergovernmental organizations is claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals,
including applications for organizations, and to perf	myself, 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 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 ore than five (5) years or both.
LEGAL NAME OF INVI Inventor: Roger Tro	
Signature: Kogel 110	
orginitare. / Co-	7
Note: An Application Data Use an additional declaration	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	84150718

Title of Invention	Display Screen with Graphical Interface or Portion Thereof Including	
	a Fragmented Target Overlay	
This declaration is direct	ed to:	
The attached application, or United 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 havincluding 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.	
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.		
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 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	ENTOR	
Inventor: Seyed Arr	nin Raeis Hosseiny Date: 8/30/2019	
Signature: A	4 -	
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	84150718	

Title of Invention	Display Screen with Graphical Interface or Portion Thereof Including
This declaration is directed	a Fragmented Target Overlay
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T To 24 a st	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.
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I baliave 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 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 TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its state of the inventions and diname or names, or in my insert the serial/applications.	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 successors, assigns or other legal representatives to make applications and to receive Letters Patent is scoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to attoin number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including applications for organizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives 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.
I hereby acknowledge the or imprisonment of not it	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 (A / /)) S
Inventor: Bo Bao	Date: 4/6/2011
Signature:	IMM WAN
Note: An Annication Day	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional declarati	on form for each additional inventor.

Attorney Docket Number	84150718

litle of Invention	a Fragmented Target Overla		ortion Thereof Including
This declaration is directed	ed to:		
	ached application, or States application or PCT international a filed on (I hereby ten they become known.)		of the application filing date and
The above-identified app	lication was made or authorized to be ma	nde by me.	
I hereby state that I hav including the claims.	e reviewed and understand the content	s of the specification in	n the above-identified application,
I believe that I am the ori	ginal inventor or an original joint invent	or of a claimed invention	n 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 betw	veen the filing date of the prior
FORD GLOBAL TECHN of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and disname or names, or in my insert the serial/applicated ASSIGNEE, its success applications, in and to the	ors, assigns or other legal representate inventions and discoveries in any and as claiming benefit of the filing date	ny subsidiary, organized at Dearborn, County of at Dearborn, County of some of the source of the sou	d and existing by virtue of the laws of Wayne, and State of Michigan, entatives, the entire right, title and tiffied invention including the right tions and to receive Letters Patent al 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 riority, including any provisional and intergovernmental organizations
including applications fo organizations, and to per	myself, 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, assig	d in any and all country NEE, its successors, ass	ies, entities and intergovernmental
And I hereby represent ar	nd warrant that I have not granted any rig	thts inconsistent with the	e rights granted herein.
	at any willful false statement made in the nore than five (5) years or both.	is declaration is punish	able under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV. Inventor: Katherine		Date:	09/09/19
Signature: Kath	ROTAR OF		
	Sheet (PTO/SB/14 or equivalent), including form for each additional inventor	g naming the entire invent	ive entity, must accompany this form.

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Attorney Docket Number	84150718
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Title of Invention	Display Screen with Graphical Interface or Portion Thereof including a Fragmented Target Overlay
This declaration is direct	
United	States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and nen they become known.)
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FORD GLOBAL TECH of the State of Delaward hereinafter referred to an interest, domestic and fo of the ASSIGNEE, its state for 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 its success applications.	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers,
including applications for organizations, and to per	or 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.
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LEGAL NAME OF INV	ENTOR
Inventor: Benjamir	
Signature:	the state of the s
Note: An Application Dat	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
	on form for each additional inventor.

RECORDED: 09/11/2019

REEL: 050338 FRAME: 0518

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 Display Screen with Graphical Interface or Portion Thereof Including a Fragmented Target Overlay
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The attached application, or United States application or PCT international application mumber filed on() hereby authorize the insertion of the application filing date and
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The above-identified application was made or anthorized 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 daily to disclose information which is material to patentiability 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 Jand 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, asogns 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, cannot and intergovernmental organizations, and to perform any and all acts which the ASSIGNLE, its successors, asogns or other legal representatives may deem necessary to secure thereto the rights here it soid, assigned and set over
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted bearing
Thereby acknowledge that any willful false statement made in this declaration to purishable under 18 U.S.C. 1001 by the or imprisonment of not more than five (5) years or both LEGAL NAME OF INVENTOR Inventor: Clay Cupdit! Suprature
PATENT