#### 505661892 09/09/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5708699

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
ALI HASSANI	08/28/2019
AARON MATTHEW DELONG	08/28/2019
VIVEKANANDH ELANGOVAN	08/28/2019
HAMID M. GOLGIRI	08/28/2019
RYAN EDWIN HANSON	08/28/2019

### **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:	16564750

### **CORRESPONDENCE DATA**

Fax Number: (248)358-3351

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: (248)358-4400

Email: amungons@brookskushman.com **BROOKS KUSHMAN P.C./FGTL Correspondent Name:** 

1000 TOWN CENTER Address Line 1:

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER:	84166849
NAME OF SUBMITTER:	ISAAC T. SLUTSKY
SIGNATURE:	/Isaac T. Slutsky/
DATE SIGNED:	09/09/2019

### **Total Attachments: 5**

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source=84166849-Assignment-fmc9524pus#page5.tif

Please direct all correspondence to: 28395

Attorney Docket Number	84166849

# 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	OUT-OF-BAND	KEY	SHARING	USING	NEAR	-FIELD
This declaration is direct	COMMUNICATION	<u> </u>				
This declaration is directed to:  X 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 wh	nen they become known.)					_
The above-identified app	olication was made or author	orized to be	made by me.			
I hereby state that I have including the claims.	ve reviewed and understan	nd the cont	ents of the specific	ation in the ab	ove-identified	application,
I believe that I am the or	iginal inventor or an origina	al joint inve	entor of a claimed in	vention in the	application.	
continuation-in-part app	o disclose information which dications, material inform nal or PCT international fil	nation whic	ch became available	le between the	e filing date o	
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. 16/564,750 , Filing Date September 9, 2019 ), 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.						
including applications for organizations, and to per	myself, my heirs, successor or Letters Patent of any an rform any and all acts whi- secure thereto the rights her	nd all kinds ich the ASS	and in any and all SIGNEE, its success	countries, enti	ities and interg	overnmental
And I hereby represent a	and warrant that I have not g	granted any	rights inconsistent	with the rights	granted herein.	
	nat any willful false statem more than five (5) years or l		n this declaration is	punishable und	der 18 U.S.C.	1001 by fine
LEGAL NAME OF INV			<b>T</b>	011	7014	
Inventor: Ali Hassa Signature:	ani		L	Date: <u>8/2</u>	28/19	
Note: An Application Dat Use an additional declaration	ta Sheet (PTO/SB/14 or equivon form for each additional inv	/alent), inclu ventor.	ding naming the entir	e inventive entit	y, must accomp	any this form.

Attorney Docket Number	84166849	

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United	tached application, or I States application or PCI filed on filed on they become known.)	internation (I her	nal application numbers authorize the in	oer nsertion of the	application fil	ing date and
The above-identified app	lication was made or auth	orized to be	made by me.			
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continuation-in-part app	o disclose information who lications, material inform the propertional finds or PCT international finds	nation whi	ch became availab	le between th	e filing date	
FORD GLOBAL TECH of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffer the inventions and diname or names, or in my insert the serial/applications and to the including all application reexaminations and reissues.	sors, assigns or other le e inventions and discover ns claiming benefit of the ue applications.	Motor Connece of busine cessors, assions and directly representation (and I legal representation) date of the September Segal representation and a seguine a se	npany subsidiary, or ness at Dearborn, Conigns or other legal scoveries in the above esentatives to make tities and intergover thereby authorize the explication to report of the property of the property of the explication of the property	ganized and ex- county of Way representatives ve-identified in applications and examinated organ examinated acceive Letters I I hereby sell, s of priority, tities and inter- ations, continu	xisting by virtuene, and State of so, the entire right receive Land to receive Land to receive Land to ASSIGNEE?  Patent hereing assign and seincluding any governmental cuations-in-part,	e of the laws of Michigan, ght, title and ling the right etters Patent or their own s attorney to: Serial No. t over to the provisional organizations divisionals,
including applications for organizations, and to per	myself, my heirs, successor Letters Patent of any are form any and all acts white ecure thereto the rights here.	nd all kinds ich the ASS	and in any and all SIGNEE, its success	countries, ent sors, assigns or	ities and interg	overnmental
And I hereby represent a	nd warrant that I have not	granted any	rights inconsistent	with the rights	granted herein	
or imprisonment of not n	at any willful false statem nore than five (5) years or		n this declaration is	punishable un	der 18 U.S.C.	1001 by fine
LEGAL NAME OF INV			-	N-4 5	2/20/11	3
Inventor: Aaron Ma Signature: Aaron Ma	atthew DeLong	~~	L	Date:	0/00/17	<i>!</i>
- 0	- on perform	1				
	a Sheet (PTO/SB/14 or equivent of the second second in form for each additional in		ding naming the entir	e inventive entit	ty, must accomp	any this form.

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Title of Invention OUT-OF-BAND KEY SHARING USING NEAR -FIE	LD
This declaration is directed to:	
X The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date number into this form when they become known.)	aņd
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 in the above-identified application in the above-identified application in the above-identified application.	ion,
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 continuation-in-part applications, material information which became available between the filing date of the prapplication 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 u FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the la of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michighereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title 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 Pat for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their oname 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 16/564,750, Filing Date	aws gan, and ight tent own y to No. the ons als,
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 representations may deem necessary to secure thereto the rights herein sold, assigned and set over.	ntal
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 for imprisonment of not more than five (5) years or both.	line
LEGAL NAME OF INVENTOR	
Inventor: Vivekanandh Elangovan Date: 08/28/2019	
Signature:	
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this for	rm,

Attorney Docket Number	84166849
Actuation Docker Intilliber	04100047

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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 heretoforc 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. 16/564,750 , Filing Date September 9, 2019 ), 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 IN Inventor: Hamid N	VENTOR M. Golgiri			late:	8/28/	2019		
Signature:	12-1-S							
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.								
	ion form for each additional inv		ding naming the entir	e inventive cr	ntity, must accomp	any this form.		

Please direct all correspondence to: 28395

Attorney Docket Number	84166849

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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.							
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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			1	1/1	14 -758	2010	
Inventor: Ryan Edv	win-Hanson			Date: 4	y <del>a U</del> jo	7017	
Signature: Hyan & Halles							
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.  Use an additional declaration form for each additional inventor,							

PATENT REEL: 050317 FRAME: 0007

RECORDED: 09/09/2019