#### 507005183 12/02/2021

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7052020

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALI HASSANI	11/29/2021
MACKENZIE MARTINEZ	11/29/2021
JOHN ROBERT VAN WIEMEERSCH	11/24/2021
JAKE SCHWARTZ	11/30/2021
MEDHA KARKARE	11/24/2021

#### **RECEIVING PARTY DATA**

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	1 AMERICAN RD FL4
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126-2701

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17540394

#### **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:** 3135284882

Email: docket@b2iplaw.com

Correspondent Name: BEJIN BIENEMAN/FORD GLOBAL

Address Line 1: 2000 TOWN CENTER DRIVE

Address Line 2: SUITE 800

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	84410495(65080-4142)	
NAME OF SUBMITTER:	NATHAN A. SMITH	
SIGNATURE:	/NATHAN A. SMITH/	
DATE SIGNED:	12/02/2021	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 058266 FRAME: 0446

507005183

#### **Total Attachments: 5**

source = 84410495 (65080-4142) - Signed Combined Declaration and Assignment - all 5 inventors - with filing info#page1.tif

source=84410495(65080-4142) - Signed Combined Declaration and Assignment - all 5 inventors - with filing info#page2.tif

source=84410495(65080-4142) - Signed Combined Declaration and Assignment - all 5 inventors - with filing info#page3.tif

source=84410495(65080-4142) - Signed Combined Declaration and Assignment - all 5 inventors - with filing info#page4.tif

source=84410495(65080-4142) - Signed Combined Declaration and Assignment - all 5 inventors - with filing info#page5.tif

Attorney Docket Number	84410495(65080-4142)	
attorney Bocket I tumber	01110125(05000 1112)	

Title of Invention	ENHANCED BIOMETRIC AUT	HORIZATION	
This declaration is direct	ed to:		
\overline{\overline{\lambda}} United \\ \overline{17/540},	tached application, or I States application or PCT international application of Dec 2, 2021. (I hereby a then they become known.)		of the application filing date and
The above-identified app	olication was made or authorized to be made	by me.	
I hereby state that I havincluding the claims.	ve reviewed and understand the contents of	of the specification in	n the above-identified application,
I believe that I am the or	iginal inventor or an original joint inventor	of a claimed invention	n in the application.
continuation-in-part app	o disclose information which is material to dications, material information which be nal or PCT international filing date of the c	came available betw	veen the filing date of the prior
FORD GLOBAL TECHT of the State of Delaward hereinafter referred to a interest, domestic and for of the ASSIGNEE, its suffer the inventions and diname or names, or in my insert the serial/applica 17/540,394  ASSIGNEE, its success applications, in and to the	sors, assigns or other legal representative inventions and discoveries in any and all all claiming benefit of the filing date he	subsidiary, organized to Dearborn, County of the Tourney of the Tourney of the Tourney of the Tourney and the Tourney authorize the ASSIC dication to receive by and I here wes, all rights of procountries, entities and the Tourney authorizes, entities and the Tourney of the To	If and existing by virtue of the laws of Wayne, and State of Michigan, entatives, the entire right, title and atified 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 for organizations, and to per	myself, my heirs, successors, assigns or of or Letters Patent of any and all kinds and fform any and all acts which the ASSIGNI ecure thereto the rights herein sold, assigne	in any and all countri EE, its successors, ass	ies, entities and intergovernmental
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.			
or imprisonment of not n	nat any willful false statement made in this more than five (5) years or both.	declaration is punish	able under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV		Data	11/29/2021
Inventor: Ali Hassa		Date:	1 1/23/2021
Signature: /Ali Ha:	ssani/		
	a Sheet (PTO/SB/14 or equivalent), including ron form for each additional inventor.	aming the entire invent	ive entity, must accompany this form.

Attorney Docket Number	84410495(65080-4142)
Attorney Docket Number	0TT10T/3(03000-T1T4)

Title of Invention	ENHANCED BIOMETRIC AUTHORIZ	ZATION	
This declaration is directed	ed to:		
The attached application, or United States application or PCT international application number  17/540,394 filed on _Dec 2, 2021. (I hereby authorize the insertion of the application filing date and number into this form when they become known.)			
The above-identified app	plication was made or authorized to be made by me.		
I hereby state that I have including the claims.	ve reviewed and understand the contents of the sp	pecification in the above-identified application,	
I believe that I am the ori	iginal inventor or an original joint inventor of a clai	med invention in the application.	
continuation-in-part app	o disclose information which is material to patental olications, material information which became a nal or PCT international filing date of the continuation	vailable between the filing date of the prior	
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. 17/540,394, 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 and warrant that I have not granted any rights inconsistent with the rights granted herein.			
or imprisonment of not m	nat any willful false statement made in this declarat more than five (5) years or both.	ion is punishable under 18 U.S.C. 1001 by fine	
LEGAL NAME OF INV. Inventor: Mackenzi		Date:11/29/2021	
	/Mackenzie Martinez/		
**	a Sheet (PTO/SB/14 or equivalent), including naming the form for each additional inventor.	e entire inventive entity, must accompany this form.	

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Attorney Docket Number	84410495	(65080-4142)	)

CP7 4 4	mass a sammer magasiminas, a constantina and a superior and a	
Title of Invention	ENHANCED BIOMETRIC AUTHORIZATION	
This declaration is direct	ed to:	
	tached application, or	
17/540,	States application or PCT international application number filed on Dec 2, 2021. (I hereby authorize the insertion of the application filing date and	
	nen 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 or	iginal inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for dications, 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 Delaward hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its si for the inventions and diname or names, or in my insert the serial/applica 17/540,394  ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss.  And I hereby agree for the state of	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 n	at 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	N A A AAA	
	ert Van Wiemeersch Date: Nov-24-2021	
Signature: / John	Robert Van Wiemeersch /	
	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	84410495(65080-4142)

Title of Invention	ENHANCED BIOMETRIC AUTHORIZATION	
This declaration is directed to:		
The attached application, or United States application or PCT international application number $\frac{17/540,394}{1000}  \text{filed on } \frac{\text{Dec 2, 2021}}{1000}. \text{ (I hereby authorize the insertion of the application filing date and number into this form when they become known.)}$		
The above-identified app	lication was made or authorized to be made by me.	
I hereby state that I 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. 17/540,394, 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 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. Inventor: Jake Schv	4410010004	
	Shurats	
Digitature.		
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.		

Please direct all correspondence to: 113140

Attorney Docket Number	84410495(65080-4142)
Attorney Docket Number	0++10+23(03000-+1+4)

# 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	ENHANCED BIOMETRIC AUTHORIZATION		
This declaration is directed to:			
The attached application, or United States application or PCT international application number  17/540,394 filed on Dec 2, 2021. (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 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. 17/540,394 , Filing Date Dec 2, 2021 ), 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 INV	44/04/04		
Inventor: Medha Ka	Buc		
Signature: /Medha	a Karkare/		
	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
RECORDED: 12/02/2021 REEL: 058266 FRAME: 0452