#### 506287954 10/05/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6334702

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARK NICHOLS	03/29/2018
CHRISTOPHER SEUBERT	03/20/2018
CHELSEA CATES	03/22/2018
KEVIN RICHARD JOHN ELLWOOD	03/21/2018

#### **RECEIVING PARTY DATA**

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	FAIRLANE PLAZA SOUTH, SUITE 800, 330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126-2738

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

Property Type	Number
Application Number:	17045210

#### **CORRESPONDENCE DATA**

**Fax Number:** (810)385-9688

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.

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Email: atesluk@questel.com

Correspondent Name: THOMAS F. QUINN, JR.

Address Line 1: 3051 COMMERCE DRIVE, SUITE 1
Address Line 4: FORT GRATIOT, MICHIGAN 48059

ATTORNEY DOCKET NUMBER:	84314834
NAME OF SUBMITTER:	THOMAS F. QUINN, JR.
SIGNATURE:	/Thomas F. Quinn, Jr. Reg. No. 35988/
DATE SIGNED:	10/05/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

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PATENT REEL: 053970 FRAME: 0988

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Attorney Docket Number	83939366

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

Title of Invention	3-D PRINTING COMPONENTS USING TWO-LIGHT SOURCES TO CONTROL LOCATION OF SOLIDIFICATION
This declaration is dire	cted to:
linit	attached application, or ed States application or PCT international application number filed on
The above-identified a	pplication was made or authorized to be made by me.
I hereby state that I ha including the claims.	se reviewed and understand the contents of the specification in the shave-identified application,
I believe that I am the	priginal inventor or an original joint inventor of a claimed invention in the application.
for continuation in par	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including t applications, material information which became available between the filling date of the prior final or PCT international filling date of the continuation-in-part application.
FORD CLUBAL TEC- laws of the State of a Michigan, hereinafter in title and interest, don- including the right of receive Letters Patent organizations, in its o ASSIGNEE or ASSIG Letters Patent herein; hereby self, assign an priority, including any and intergovernmental	sment agreement heretofene made or by contractual obligation. I do seil, assign and set over unto HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the Delaware, having its principal place of business at Dearborn, County of Wayne, and State of referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, sestic and foreign, in and to the inventions and discoveries in the above-identified invention the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to for the inventions and discoveries in say and all countries, entities and intergovernmental ritheir own name or names, or in my name, at its or their election (and I hereby authorize the NEE's attention to insert the serial/application number and filing date of the application to receive Serial No.  [Filing Date]  [In the ASSIGNEE, its successors, assigns or other legal representatives, all rights of provisional applications, in and to the inventions and discoveries in any and all countries, entities or againstations including all applications claiming benefit of the filing date hereof, continuations, divisionals, recommissions and reissue applications.
including applications organizations, and to	r myself, my heirs, successors, assigns or other legal representatives to execute any sud all papers, for Letters Patent of any and all kinds and in any and all countries, emittes and intergovernmental a perform any and all acts which the ASSIGNEE, its successors, assigns or other legal sem necessary to secure thereto the rights berein sold, assigned and set over.
And I hereby represen	t and warram that I have not granted any rights inconsistent with the rights granted herein.
	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by of not more than five (5) years or both.
LEGAL NAME OF P Inventor:Mark?	
Signature: Ala	LSM (
Note: An Application O Use an additional declar	ato Shem (PTO/SB/14 or equivalent), including naming the entire inventive entiry, must secompany this form, sion tonn for each additional inventor.

Attorney Docket Number	Attorney	Docket	Number
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83	93	93	66

# 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 3-D PRINTING COMPONENTS USING TWO-LIGHT SOURCES TO CONTROL LOCATION OF SOLIDIFICATION
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 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 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 intergovernmenta organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legar 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.
hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.
LEGAL NAME OF INVENTOR Inventor: Christopher Seubert Date: 3-20-18 Signature:
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.

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Attorney Docket Number	83939366

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This declaration is direct	and the same of th
United	sached 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 have including the claims.	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.
for continuation-in-part a	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including applications, material information which became available between the filing date of the prior hal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHI laws of the State of De Michigan, hereinafter refe title and interest, domes including the right of the receive Letters Patent for organizations, in its or the ASSIGNEE or ASSIGNE Letters Patent herein: So hereby sell, assign and s priority, including any pre and intergovernmental or	ent 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 laware, having its principal place of business at Dearborn, County of Wayne, and State of erred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, tic and foreign, in and to the inventions and discoveries in the above-identified invention ASSIGNEE, its successors, assigns or other legal representatives to make applications and to or the inventions and discoveries in any and all countries, entities and intergovernmental neir own name or names, or in my name, at its or their election (and I hereby authorize the Ee's attorney to insert the serial/application number and filing date of the application to receive erial No
including applications for organizations, and to p	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 erform any and all acts which the ASSIGNEE, its successors, assigns or other legal necessary to secure thereto the rights herein sold, assigned and set over.
And I hereby represent an	d warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge the fine or imprisonment of n LEGAL NAME OF INVI	
Inventor: Chelsea I Signature:	
Use an additional declaration	n form for each additional inventor.

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Attorney Docket Number	83939366

**RECORDED: 10/05/2020** 

# 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	3-D PRINTING COMPONENTS USING TWO-LIGHT SOURCES TO CONTROL LOCATION OF SOLIDIFICATION
This declaration is direct	<u> </u>
United	tached application, or d States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and hen they become known.)
The above-identified app	plication 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 or	riginal inventor or an original joint inventor of a claimed invention in the application.
for continuation-in-part	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including applications, material information which became available between the filing date of the prior anal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECH laws of the State of Do Michigan, hereinafter retitle and interest, dome including the right of the receive Letters Patent organizations, in its or ASSIGNEE or ASSIGN Letters Patent herein: Shereby sell, assign and priority, including any pand intergovernmental of	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto INOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the elaware, having its principal place of business at Dearborn, County of Wayne, and State of ferred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, stic and foreign, in and to the inventions and discoveries in the above-identified invention e ASSIGNEE, its successors, assigns or other legal representatives to make applications and to for the inventions and discoveries in any and all countries, entities and intergovernmental their own name or names, or in my name, at its or their election (and I hereby authorize the EE's attorney to insert the serial/application number and filing date of the application to receive Serial No
including applications for organizations, and to	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 perform any and all acts which the ASSIGNEE, its successors, assigns or other legal m 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.
fine or imprisonment of LEGAL NAME OF INV	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by not more than five (5) years or both.  VENTOR chard John Ellwood  Date: 3/2//20/8
Note: An Application Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.