### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6682260

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
STUART C. SALTER	04/21/2021
DAVID BRIAN GLICKMAN	04/28/2021
PAUL KENNETH DELLOCK	04/26/2021
JEFFREY ROBERT SEAMAN	04/23/2021
ANNETTE LYNN HUEBNER	04/21/2021
BRIAN JAMES ANDONIAN	04/28/2021

#### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	17243382

#### **CORRESPONDENCE DATA**

**Fax Number:** (248)988-8363

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:** 248-988-8360

Email: docket@cgolaw.com

Correspondent Name: CARLSON, GASKEY & OLDS, P.C./FORD

Address Line 1: 400 W. MAPLE RD.

Address Line 2: SUITE 350

Address Line 4: BIRMINGHAM, MICHIGAN 48009

ATTORNEY DOCKET NUMBER:	84368623; 67186-1145PUS1
NAME OF SUBMITTER:	BENJAMIN J. COON
SIGNATURE:	/Benjamin J. Coon/
DATE SIGNED:	04/28/2021

This document serves as an Oath/Declaration (37 CFR 1.63). source=1145PUS1\_Declaration\_Assignment\_Executed#page1.tif

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**Total Attachments: 6** 

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Attorney Docket Number	84368623:	; 67186-1145PUS1

Title of Invention	VEHICLE WATER HEATING SYSTEM AND METHOD	
This declaration is directed to:		
☐ United	ached application, or States application or PCT international application number	
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.	
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.	
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. 17/243382		
may deem necessary to secure thereto the rights herein sold, assigned and set over.		
And I hereby represent at	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	ENTOR 4/21/21	
Inventor: Stuart C. S	Salter Date:	
Signature: /stuart c.	salter/	
* 1	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	84368623: 67186-1145PUSI

litic of invention	VEHICLE WAIEH HEAIING SYSIEM AND MEIHOD		
This declaration is direct	This declaration is directed 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 on they become known.)		
The above-identified app	lication was made or authorized to be made by me.		
I hereby state that I having 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.		
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 bereby authorize the ASSIGNEE or ASSIGNEE) automoty to insert the available production number and filting date of the application to receive Letters Patent herein: Serial No. 17/243382 Filting Date April 28, 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 relieves applications.			
And I hereby agree for myself, my beirs, 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 doesn 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 INVI Inventor: David Bri	ENTOR  an Chickman		
Signature			
william in the			
	Sheet (PTOSB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form, the form the form the form of the for		

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Attornev Docket Number	84368623	: 67186-1145PUS1

Title of Invention VEHICLE WATER HEATING SYSTEM AND METHOD
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 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, 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. 17/243382
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 INVENTOR
Inventor: Paul Kennth Dellock Date:
Signature: Can Kong The Look
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.

Attornev Docket Number	84368623	: 67186-1145PUS1

Title of Invention	VEHICLE WATER HEATING SYSTEM AND METHOD
This declaration is directed	ed to:
☐ United	tached 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.	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 TECHI 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  17/243382  ASSIGNEE, its success applications, in and to th including all application reexaminations and reissu  And I hereby agree for r including applications fo	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
	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 as	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	ENTAB
	obert Seaman Date: 4/23/2021
Signature: /Jeffrey F	Robert Seaman/
	a 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: 056075 FRAME: 0268

Attornev Docket Number	84368623	: 67186-1145PUS1

Title of Invention	VEHICLE WATER HEATING	SYSTEM AND METHOD
This declaration is direct	ed to:	
United	tached application, or  States application or PCT international filed on (I hereby then they become known.)	application number y authorize the insertion 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 have 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 invent	tor of a claimed invention in the application.
continuation-in-part app		to patentability as defined in 37 C.F.R. 1.56, including for became available between the filing date of the prior e 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 diname or names, or in my insert the serial/applicated 17/243382  ASSIGNEE, its success applications, in and to the including all application reexaminations and reissues.  And I hereby agree for the state of the s	NOLOGIES, LLC, a Ford Motor Compare, having its principal place of business the ASSIGNEE, its successors, assign reign, in and to the inventions and disconcessors, assigns or other legal represe scoveries in any and all countries, entitive name, at its or their election (and I her tion number and filing date of the applications, assigns or other legal representations, assigns or other legal representations and discoveries in any and as claiming benefit of the filing date applications.	contractual obligation, I do sell, assign and set over unto any subsidiary, organized and existing by virtue of the laws at Dearborn, County of Wayne, and State of Michigan, as or other legal representatives, the entire right, title and overies in the above-identified invention including the right estand intergovernmental organizations, in its or their own beby authorize the ASSIGNEE or ASSIGNEE's attorney to application to receive Letters Patent herein: Serial No
organizations, and to per		nd in any and all countries, entities and intergovernmental NEE, its successors, assigns or other legal representatives and set over.
And I hereby represent a	nd warrant that I have not granted any ri	ghts inconsistent with the rights granted herein.
	at any willful false statement made in the note than five (5) years or both.	his declaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV		5 4/21/2021
	ynn Huebner	Date:
Signature: /Annette	Lynn Huebner/	
	a Sheet (PTO/SB/14 or equivalent), includir	g naming the entire inventive entity, must accompany this form.

Use an additional declaration form for each additional inventor.

PATENT

REEL: 056075 FRAME: 0269

Attornev Docket Number	84368623	: 67186-1145PUS1

Title of Invention	VEHICLE WATER HEATING S	SYSTEM AND METHOD			
This declaration is directed	ed to:				
	cached application, or States application or PCT international app filed on (I hereby authen they become known.)	plication number authorize the insertion of the application filing date and			
The above-identified app	The above-identified application was made or authorized to be made by me.				
I hereby state that I havincluding the claims.	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 ori	ginal inventor or an original joint inventor of	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. 17/243382 , Filing Date April 28, 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		Posts: 4/23/2021			
NA ANA PARA PARA PARA PARA PARA PARA PAR	nes Andonian	Date:			
Signature: /Brian Ja	ames Andonian/				
	Sheet (PTO/SB/14 or equivalent), including non-	naming the entire inventive entity, must accompany this form.			

**PATENT** 

**REEL: 056075 FRAME: 0270**