504881665 04/23/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4928406

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AHMED AWADI	04/20/2018
ANDREW MOEN	04/23/2018
SIRAJ SIDDIQUI	04/20/2018
HAFIZ KHAFAGY	04/20/2018
HUSSAM MAKKIYA	04/20/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15960125

CORRESPONDENCE DATA

Fax Number: (971)271-8021

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

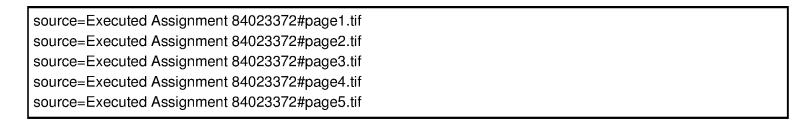
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 971-271-8020 Email: Tapia@mccrus.com MCCOY RUSSELL LLP **Correspondent Name:**

Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	84023372
NAME OF SUBMITTER:	ASHLEY R. TAPIA
SIGNATURE:	/Ashley R. Tapia/
DATE SIGNED:	04/23/2018

Total Attachments: 5



Attorney Docket Number 84023372	۳,
	- 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	METHODS AND SYSTEMS FOR IMPROVING AUTOMATIC ENGINE STOPPING AND STARTING
This declaration is directed	(i) (ii) (iii) (ii
United	ached application, or States application or PCT international application number filed on(I hereby surporize the insertion of the application of the series of th
number into this form wh	filed on (I hereby authorize the insertion of the application filing date and en they become known.)
The above-identified appl	ication was made or authorized to be made by me.
I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the orig	ginal inventor or an original joint inventor of a claimed invention in the application.
A MANAGEMENT AND A STATE OF STATES AND A STATES AND ASSESSMENT OF THE STAT	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior alor PCT international filing date of the continuation-in-part application.
of the State of Delaware, hereinafter referred to as interest, domestic and force of the ASSIGNEE, its suc for the inventions and disc name or names, or in my insert the serial/application 15/960,125 ASSIGNEE, its successor applications, in and to the	ent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto OLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and eign, in and to the inventions and discoveries in the above-identified invention including the right exessors, assigns or other legal representatives to make applications and to receive Letters Patent coveries 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 be number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
organizations, and to perfe	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 orm any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives are 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 or imprisonment of not mo LEGAL NAME OF INVE	any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine re than five (5) years or both.
Inventor: Ahmed Aw	
Signature: <u>Ama</u>	l Guar
Note: An Application Data S Use an additional declaration t	heet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	84023372

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	METHODS AND SYSTEMS FOR IMPROVING AUTOMATIC ENGINE
	STOPPING AND STARTING
This declaration is direct	ed to:
2222	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and
number into this form wi	en 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.	e reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the or	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 hal 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 for the inventions and diname or names, or in my insert the serial/applica 15/960,125 ASSIGNEE, its success applications, in and to the	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 be, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, as 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 be ion number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including applications for organizations, and to per	nyself, 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 a	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 tore than five (5) years or both.
LEGAL NAME OF INV	FNYOR
Inventor: <u>Andrew)</u>	21 21 4 2 1 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Signature:	1 Mir
	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, a form for each additional inventor.

Comprosibility of declaration form for each additional inventor

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	m METHODS AND SYSTEMS FOR IMPROVING AUTOMATIC ENGINE STOPPING AND STARTING
This declaration is	
	The attached application, or United States application or PCT international application number
The above-identif	led application was made or authorized to be made by me.
I hereby state that including the clair	t I have reviewed and understand the contents of the specification in the above-identified application, us.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation in pa	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for art applications, material information which became available between the filing date of the prior e national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of Deberginafter referred interest, domestic of the ASSIGNED for the inventions name or names, or insert, the serials 15/960,122 ASSIGNEE, its applications, in an including all app	mployment agreement heretofore made or by contractual obligation. I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws elaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, of to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above identified invention including the right. Its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own r in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filling date of the application to receive Letters Patent herein. Serial No. 5. Filling Date. April 23, 2018.), and I hereby sell, assign and set over to the successors, assigns or other legal representatives, all rights of priority including any provisional discoveries in any and all countries, entities and intergovernmental organizations dications claiming benefit of the filling date hereof, continuations, continuations-in-part, divisionals, dicresses applications.
including applicat organizations, and	e for myself, my hors, successors, assigns or other legal representatives to execute any and all papers ions for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives by to secure thereto the rights berein sold, assigned and set over.
And I hereby repri	escent and warrant that I have not granted any rights inconsistent with the rights granted become
or impresonment o	dge that any willful false statement made in this declaration is punishable under $18.U.S.C1001$ by fine find more than five (5) years or both
LEGAL NAME Of Inventor Signature	HENVENTOR HENVENTOR LANDA DINCESTRATION OF THE STATE OF T

Attorney Docket Number 84923372	~~~
10300014	

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	METHODS AND SYSTEMS FOR IMPROVING AUTOMATIC ENGINE
	NIGHTOC AND COADWAY
This declaration is directed	g to:
L.J United	ached application, or States application or PCT international application number
number into this form wh	HEG OB / I konship and a district to the second
The above-identified appl	ication 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 orig	ginal inventor or an original joint inventor of a claimed invention in the application.
I am aware of the duty to continuation-in-part appli application and the nation	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior alor PCT international filing date of the continuation-in-part application.
of the State of Delaware, hereinafter referred to as interest, domestic and force of the ASSIGNEE, its succession of the inventions and disconame or names, or in my transfer the serial/application 15/960,125 ASSIGNEE, its successor applications, in and to the including all applications reexaminations and reissue	
organizations, and to perfo may deem necessary to sec	realf, 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 rm any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ure 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.
***************************************	any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine than five (5) years or both.
LEGAL NAME OF INVENT INVENTOR: <u>Hafiz Khafa</u>	
iignature: <u>HA</u>	<u>EX</u> Date: <u>4/20/18</u>
iose: An Application Data S Ise an additional declaration s	neet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

RECORDED: 04/23/2018

Attorney Docket Number 8	24174477

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)

I ille of Invention	METHODS AND SYSTEMS FOR IMPROVING AUTOMATIC ENGINE
	STOPPING AND CTADTING
This declaration is directed	ed to:
LJ United	ached application, or States application or PCT international application number
number into this form wh	filed on (I hereby authorize the insertion of the application filing date an en 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.	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.
and the second second second second	o 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 all or PCT international filing date of the continuation-in-part application.
of the State of Delaware hereinafter referred to as interest, domestic and fo of the ASSIGNEE, its state for the inventions and diname or names, or in my insert the serial/applications. ASSIGNEE, its successes applications, in and to the	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 be, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, at 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own mame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Serial No.
organizations, and to per	nyself, 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 cure thereto the rights herein sold, assigned and set over.
i .	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge the 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 INV	ENTOR IN LEGAL COLOR
Inventor: <u>Hussam I</u>	Makkiya Date: 4/2018
Signature:	2 2
Note As Asset	21 - 1223 113 12
Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form of form for each additional inventor.
Commenter or continue	DIVING WE ENCH NOTHER BLAGEROL