### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4820258

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MAHMOUD Y. GHANNAM	02/05/2018
BRIAN G. BENNIE	02/05/2018
DAVID J. TIPPY	02/06/2018
AED M. DUDAR	02/05/2018

#### **RECEIVING PARTY DATA**

Name:	FORD GLOBAL TECHNOLOGIES, LLC	
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City:	DEARBORN	
State/Country:	MICHIGAN	
Postal Code:	48126	

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

Property Type	Number
Application Number:	15894022

#### **CORRESPONDENCE DATA**

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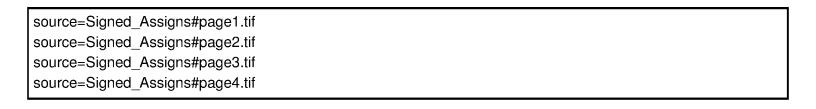
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<b>ATTORNEY DOCKET NUMBER:</b> 83941108(18894)	
NAME OF SUBMITTER: RENEE D. EAST	
SIGNATURE:	/Renee D. East/
<b>DATE SIGNED:</b> 02/12/2018	
	-

**Total Attachments: 4** 

PATENT REEL: 044897 FRAME: 0799

504773530



Attorney Docket Number	83941108

Title of Invent	on EARTHQUAKE EMERGENCY MANAGEMENT SYSTEM FOR AUTOMOTIVE VEHICLES
This declaration	
Ü	The attached application, or United States application or PCT international application numberfiled on
The above-identi	fied application was made or authorized to be made by me.
I hereby state th	at I have reviewed and understand the contents of the specification in the above-identified application, ms.
I believe that I ar	n the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-p	e 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 ne national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of I hereinafter refer interest, domestion of the ASSIGNE for the invention name or names, insert the serial 15/894022 ASSIGNEE, its applications, in a including all ap	employment 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 belaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, ed to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and cand foreign, in and to the inventions and discoveries in the above-identified invention including the right E, 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 are in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No.  Filing Date 12-Feb-2018  I, and I hereby sell, assign and set over to the successors, assigns or other legal representatives, all rights of priority, including any provisional and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations plications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.
including applications, ar	ree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental d to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives any to secure thereto the rights herein sold, assigned and set over.
And I hereby rep	resent and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.
LEGAL NAME	OF INVENTOR.
Inventor:	Mahmoud Y. Ghannam Date: 2/5/2018
Signature:	Malk
Note: An Applica	tion Data Sheet (PTO/SB/14 of equivalent), including naming the entire inventive entity, must accompany this form.

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Attorney D				

Title of Invention	EARTHQUAKE EMERGENCY MANAGEMENT SYSTEM FOR AUTOMOTIVE YEHICLES
This declaration is dir	SISIEM IVIN AVIVINVII YEIN EUS
□ Un	attached application, or ted States application number filed on
The above-identified	application was made or authorized to be made by me.
I hereby state that I including the claims.	have reviewed and understand the contents of the specification in the above-identified application.
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part	y to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for applications, material information which became available between the filing date of the prior tional or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TEX of the State of Delay hereinafter referred to interest, domestic and of the ASSIGNEE, it for the inventions and name or names, or in insert the serial/appl 15/894022 ASSIGNEE, its suc- applications, in and to	Owment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto CHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws are, 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 foreign, in and to the inventions and discoveries in the above-identified invention including the right successors, assigns or other legal representatives to make applications and to receive Letters Patent discoveries in any and all countries, entities and intergovernmental organizations, in its or their own my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ication number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————
including application organizations, and to	or myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, it for 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 representatives to secure thereto the rights herein sold, assigned and set over.
And I hereby represer	it and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of a	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of more than five (5) years or both.
LEGAL NAME OF I	NVENTOR 7 / E / 1 8
Invertor:E	irian G. Bennie Date: 2/5/18
Signature: 2	
Note: An Application Use an additional declar	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. ation form for each additional inventor.

Attorney Docket Number		

Title of Invention	EARTHQUAKE EMERGENCY MANAGEMENT SYSTEM FOR AUTOMOTIVE VEHICLES
This declaration is direct	ed to:
☐ United	tached application, or I States application or PCT international application number filed on
The above-identified app	olication 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 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 oblications, 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 Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its sfor the inventions and d name or names, or in minsert the serial/applications. Its success applications, in and to the including all application reexaminations and reiss	
including applications for organizations, and to pe	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 afform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives 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.
or imprisonment of not	nat 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	
Inventor: Day	id J. Tippy Date: 2-6-2018
Signature:	1 his
	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	83941108

Title of Enventio	SYSTEM FOR AUTOMOTIVE VEHICLES
This declaration is directed to:	
	The attached application, or United States application or PCT international application number filed on
The above-identific	ed application was made or authorized to be made by me.
I hereby state that including the claim	I have reviewed and understand the contents of the specification in the above-identified application, s.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-par	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for applications, material information which became available between the filing date of the prior national or PCT international filing date of the continuation-in-part application.
for of the State of De hereinafter referred interest, domestic of the ASSIGNEE for the inventions name or names, or insert the serial/at 15/894022 ASSIGNEE, its sapplications, in and including all applications.	reployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto ECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws laware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, I 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 in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to opplication number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————
including applications, and	e for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ons 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 herein sold, assigned and set over.
And I hereby repre	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.
	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine foot more than five (5) years or both.
LEGAL NAME O	FINVENTOR
Inventor:	Aed M. Dudar/ Date: 2/5/2018
Signature:	Nrd Du
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 044897 FRAME: 0804

**RECORDED: 02/12/2018**