503663963 01/26/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3710597

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FLING TSENG	01/21/2016
IMAD HASSAN MAKKI	01/22/2016
PANKAJ KUMAR	01/22/2016
AED M. DUDAR	01/25/2016
ROBERT ROY JENTZ	01/21/2016

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:	15006272		

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: 313-528-4882

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Correspondent Name: BEJIN BIENEMAN PLC FORD GLOBAL TECHNOLOG

Address Line 1: 300 RIVER PLACE

Address Line 2: SUITE 1650

Address Line 4: DETROIT, MICHIGAN 48207

ATTORNEY DOCKET NUMBER:	83614615(65080-1832)
NAME OF SUBMITTER:	CHARLES A. BIENEMAN
SIGNATURE:	/Charles A. Bieneman/
DATE SIGNED:	01/26/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 037582 FRAME: 0149

Total Attachments: 5

source=83614615_Signed_Declaration_and_Assignment_all_5_inventors#page1.tif source=83614615_Signed_Declaration_and_Assignment_all_5_inventors#page2.tif source=83614615_Signed_Declaration_and_Assignment_all_5_inventors#page3.tif source=83614615_Signed_Declaration_and_Assignment_all_5_inventors#page4.tif source=83614615_Signed_Declaration_and_Assignment_all_5_inventors#page5.tif

Attorney Docket Number	83614615(65080-1832)

Title of Inventi	on	NETWORK CHARACTER		SHARING	OF	AUTOMATED	FUEL
This declaration is	s direc		;	······································		***************************************	
	United	ttached application, c d States application c	c PCT internat				
The above-identif	fied app	plication was made o	r authorized to	be made by me.	<i>y</i>		
I hereby state the including the claim		ve reviewed and un	derstand the c	ontents of the speci	fication in	the above-identified	application,
I believe that I an	the or	riginal inventor or an	original joint i	inventor of a claimed	i invention	in the application.	
continuation-in-pa	art ap		information w	vhich became avail	able betw	ed in 37 C.P.R. 1.56, in teen the filing date of plication.	
FORD GLOBAL of the State of D hereinafter refere interest, domestic of the ASSIGNE for the inventions name or names, c insert the serial/ ASSIGNEE, its applications, in a including all appreexaminations an And I hereby agr including applica	TECE relawased to a and for and for and for and for and for and and applica succes and to to plication are free for attions 1	INOLOGIES, LLC, are, having its principal the ASSIGNEE, is preign, in and to the successors, assigns o discoveries in any and y name, at its or their ation number and I filing Date soors, assigns or of the inventions and disparent claiming benefits are applications. myself, my heirs, stor Letters Patent of	a Ford Motor Coal place of but successors, inventions and rother legal relation (and liling date of legal repactories in an of the filing and all king and and all king and al	Company subsidiary, usiness at Dearborn, assigns or other leg i discoveries in the appresentatives to malentities and intergo I I hereby authorize the application to	organized County of all represe bove-ident ke applica vernmenta the ASSIC receive I and I herel hits of prentities an nuations, epresentatiall countries	do sell, assign and sell and existing by virtue of Wayne, and State of metalives, the entire rigitified invention includitions and to receive Led organizations, in its confer Patent herein: by sell, assign and set iority, including any ad intergovernmental or continuations-in-part, wes to execute any and ies, entities and intergesigns or other legal rep	of the laws If Michigan, In, title and Ing the right etters Patent or their own attorney to Serial No. over to the provisional ganizations divisionals, all papers, overnmental
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.							
		hat any willful false more than five (5) ye		le in this declaration	is punish	able under 18 U.S.C. 1	001 by fine
LEGAL NAME					NEV.	1/21/20/6	
Inventor:E	ling Ts	eng	City Street, St		Date:	3.5 m 8.3 mags 1.00	
Signature:			4	······································			
Note: An Applica Use an additional of	tion Da	ita Sheet (PTO/SB/14 o	or equivalent), is constituted in the constitute of the constitute	ncluding naming the e	ntire invent	ive entity, must accompa	ny this form.

Attorney Docket Number	83614615(65080-1832)

Title of Invent	ion	NETWORK CHARACTER	BASED	SHARING	OF	AUTOMATED	FUEL
This declaration	is direct	ed to:	101100				
	The at	tached application, o States application o	r PCT internation	onal application nur	nber		
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I hereby state the including the claim	at I hav ms.	e reviewed and und	lerstand the cor	itents of the specif	ication in	the above-identified a	pplication,
I believe that I an	the ori	ginal inventor or an	original joint in	ventor of a claimed	inventior	in the application,	
I am aware of the continuation in-pa	duty to	disclose information	n which is mate	rial to patentability	as define	ed in 37 C.F.R. 1.56, inc	luding for the prior
of the State of Dihereinafter referred interest, domestic of the ASSIGNEE for the inventions name or names, or insert the serial/a ASSIGNEE, its applications, in amincluding all applications and reexaminations and	elaware d to as and fore , its sue and dis in my pplicati successe d to the ications I reissue	having its principa the ASSIGNEE, its eign, in and to the in ecessors, assigns or of coveries in any and a name, at its or their on number and fili- Filing Date— irs, assigns or othe inventions and discovering claiming benefit of applications.	al place of busics successors, assiventions and diother legal represall countries, encelection (and I ing date of the legal represall re	mess at Dearborn, to signs or other legal scoveries in the above esentatives to make tities and intergove hereby authorize the application to remain and all countries, en ate hereof, continuation in the continuation of the con	rganized County of represer ove-ident applicate rinmental e ASSIG seceive L I I hereb of price tities and attons, c	do sell, assign and set and existing by virtue of the Wayne, and State of latatives, the entire right, ified invention including ions and to receive Letter organizations, in its or NEE or ASSIGNEE's at etters Patent herein: So y sell, assign and set overity, including any printergovernmental organizations-in-part, dispatched to the self-self-self-self-self-self-self-self-	f the laws Michigan, title and the right ers Patent their own storney to erial No. wer to the ovisional nizations visionals,
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And I hereby repres	sent and	warrant that I have I	not granted any	rights inconsistent	with the r	ights granted herein.	
I hereby acknowled	lge that not moi	any willful false sta e than five (5) years	tement made in	this declaration is	punishab —	le under 18 U.S.C. 1001	by fine
		i Makki		n	ate:	1/22/2016	
Signature:		Malla				5 7 X X X	
lote: An Application [se an additional dec]	n Data S aration (neet (PTO/SB/14 or eq orm for each additional	quivalent), includ I inventor,	ing naming the entire	inventive	entity, must accompany th	nis form,

Attorney Docket Number 83614615(65080-1832)

time of invent	ion	CHARACTERISTICS		a Or	AUIUWAIL	EU FUEL
This declaration	is direct		***************************************	***************************************		
	United	tached application, or I States application or PCT int				
The above-identi	fied app	olication was made or authoriz	zed to be made by me	i _e		
I hereby state the including the claim		ve reviewed and understand	the contents of the s	specification in	the above-identi	fied application,
I believe that I ar	n the or	iginal inventor or an original j	joint inventor of a cla	imed invention	in the application	a.
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FORD GLOBAL of the State of I hereinafter referi interest, domestic of the ASSIGNE for the invention name or names, insert the serial. ASSIGNEE, its applications, in a	TECH Delaware red to a c and fo E, its si s and di or in my /applica success and to th plication	ment agreement heretofore m NOLOGIES, LLC, a Ford More, having its principal place is the ASSIGNEE, its successoreign, in and to the invention successors, assigns or other legiscoveries in any and all county name, at its or their election tion number and filing date, Filing Date sors, assigns or other legal inventions and discoveries in claiming benefit of the inventions.	otor Company subsider of business at Dearb sors, assigns or other is and discoveries in the gal representatives to atries, entities and interpretation (and I hereby authority of the application). In representatives, all in any and all country	iary, organized born. County of regal represent the above-idention make application application for receive L., and I herebill rights of pricies, entities and	and existing by v f Wayne, and Stantatives, the entire iffied invention in- ions and to received l organizations, in ENEE or ASSIGN etters Patent her by sell, assign and cority, including d intergovernment	virtue of the laws ate of Michigan, re right, title and icluding the right we Letters Patent its or their own IEE's attorney to rein: Serial No. d set over to the any provisional ital organizations
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				Date		
Inventor: P	ankaj K	umar KoÇ KVMəV		Date:		
<i></i>	***************************************					
		a Sheet (PTO/SB/14 or equivale) on form for each additional inven-		he entire inventiv	ve entity, must acce	ompany this form.

Attorney Docket Number	83614615(65080-1832)
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Title of Invention		NETWORK		SHARING	OF	AUTOMATED	FUEL
		CHARACTER	ISTICS				
This declaration is directed to:							
	United	tached application, o	r PCT internat	ional application no on			
The above-identif	ied app	dication was made or	r authorized to	be made by me.			
I hereby state the including the clair		e reviewed and unc	lerstand the co	ontents of the speci	fication is	n the above-identified a	application,
I believe that I am	the or	iginal inventor or an	original joint i	nventor of a claimed	l inventio	n in the application.	
continuation-in-pe	art app		information w	hich became avail	able betv	ed in 37 C.F.R. 1.36, in veen the filing date o oplication.	
FORD GLOBAL of the State of D hereinafter referred interest, domestic of the ASSIGNEI for the inventions name or names, o insert the serial. ASSIGNEE, its applications, in an including all appreexaminations are And I hereby agrincluding applicationg anizations, and organizations, and	TECH elawan ed to an and fo E, its su and di or in my applica success and to the olication of reiss ee for itions fo d to per	NOLOGIES, LLC, as, having its princips the ASSIGNEE, it reign, in and to the incressors, assigns or sacoveries in any and mame, at its or their tion number and filling Date sors, assigns or office inventions and district claiming benefit we applications. myself, my heirs, such Letters Patent of a contraction of a contraction.	Ford Motor Call place of but is successors, inventions and other legal relation (and illing date of the filing coveries in an of the filing tax which the A	lompany subsidiary, isiness at Dearborn, assigns or other leg discoveries in the a presentatives to mal entities and intergo. I hereby authorize the application to	organized County of all repress bove-iden to applicate the ASSIG receive and I here this of presentations, presentatiall countressors, as	I do sell, assign and sed and existing by virtue of Wayne, and State of entatives, the entire right atified invention includitions and to receive Leal organizations, in its of GNEE or ASSIGNEE's Letters Patent herein by sell, assign and setriority, including any and intergovernmental or continuations-in-part, ives to execute any and ies, entities and intergosigns or other legal representations or other legal representations or other legal representations or other legal representations.	of the laws of the laws Michigan, and the right tters Patent or their own attorney to Serial Noover to the provisional ganizations divisionals, all papers, vernmental
And Thereby repr	esent a	nd warrant that I hav	e not granted :	my rights inconsiste	nt with th	e rights granted herein.	
		at any willful false : 20re than five (5) yea		e in this declaration	is punish	able under 18 U.S.C. 1	001 by fine
LEGAL NAME (1/25/20	11
Inventor: At	ed.M.D	udar/\$7/\$/	<i></i>	······································	Date:	1/62/69	<u> </u>
Signature:							
		a Sheet (PTO/SB/14 o m form for each addition		cluding naming the er	ilire invent	tive entity, must accompar	ly this form.

Please direct all correspondence to: 113140

Attorney Docket Number	83614615(65080-1832)
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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 Invent	on NETWORK BASED SHARING OF AUTOMATED FUEL CHARACTERISTICS
This declaration	directed to:
	The attached application, or United States application or PCT international application numberfiled on
The above-ident	ied application was made or authorized to be made by me.
I hereby state the including the cla	I have reviewed and understand the contents of the specification in the above-identified application us.
I believe that I a	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including fourt applications, material information which became available between the filing date of the prior enational or PCT international filing date of the continuation-in-part application.
FORD GLOBA of the State of hereinafter refer interest, domest of the ASSIGNI for the invention name or names, insert the seria ASSIGNEE, its applications, in including all as	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 law elaware, 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 and foreign, in and to the inventions and discoveries in the above-identified invention including the right is 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 owner 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
including applic organizations, a	ree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers tions 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 representative ary to secure thereto the rights herein sold, assigned and set over.
And I hereby re	resent and warrant that I have not granted any rights inconsistent with the rights granted herein.
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fin of not more than five (5) years or both.
LEGAL NAME	OF INVENTOR Obert Ray Jentz 0 / 1 Date: 2) Jan 2016
Signature:	121x R 12/1
Digitature.	
	tion Data Sheet (PTO/SB/i4 or equivalent), including naming the entire inventive entity, must accompany this forr leclaration form for each additional inventor.

PATENT REEL: 037582 FRAME: 0155

RECORDED: 01/26/2016