PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	I TYPE: NEW ASSIGNMENT			
NATURE OF CONVEYA		ASSIGNMENT		
CONVEYING PARTY D	ATA			
		Name	Execution Date	
Tuan Anh Be			03/06/2013	
William Najib Mansur			03/07/2013	
Mark Douglas Malone			03/07/2013	
Leonid Tikh			03/04/2013	
RECEIVING PARTY DA	TA			
Name:	Ford Global Tech	nologies, LLC]	
Street Address:	-airlane Plaza Sc	uth, Suite 800		
	330 Town Center			
City:	Dearborn			
State/Country:	VICHIGAN			
	48126			
Property Type		Numbe	 ۶۲	
Application Number:	138	29538		
CORRESPONDENCE D	DATA			
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Correspondent Name: Alleman Hall McCoy Russell & Tuttle LLP Address Line 1: 806 SW Broadway, Suite 600				
Address Line 4: Portland, OREGON 97205				
ATTORNEY DOCKET NUMBER:		83348256		
NAME OF SUBMITTER:		Elizabeth Frommer		
Signature:		/Elizabeth Frommer/	PATENT	
502416605][]	REEL: 030782 FRAME: 0075	

Date:	07/11/2013
Total Attachments: 4 source=Executed Assignment 83348256#pa source=Executed Assignment 83348256#pa source=Executed Assignment 83348256#pa source=Executed Assignment 83348256#pa	age2.tif age3.tif

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

Title of Invention	METHODS FOR UTILIZING STOP SIGN AND TRAFFIC LIGHT DETECTIONS TO ENHANCE FUEL ECONOMY AND SAFETY				
This declaration is directed to:					
Un Un	e attached application, or ited States application or PCT international 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 ational or PCT international filing date of the continuation-in-part application.				
FORD GLOBAL TEP 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/app <u>13/829,538</u> ASSIGNEE, its suc applications, in and to including all applica- reexaminations and re And I hereby agree f including application organizations, and to	oyment 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 vare, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, o as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and I foreign, in and to the inventions and discoveries in the above-identified invention including the right s successors, assigns or other legal representatives to make applications and to receive Letters Patent I 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 lication number and filing date of the application to receive Letters Patent herein: Serial No, Filing Date <u>March 14, 2013</u> , and I hereby sell, assign and set over to the cessors, assigns or other legal representatives, all rights of priority, including any provisional of the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in serial No, Filing Date <u>March 14, 2013</u> , and I hereby sell, assign and set over to the cessors, assigns or other legal representatives, all rights of priority, including any provisional of the inventions and discoveries in any and all countries, entities and intergovernmental organizations, insue applications.				
And I hereby represe	n and warrant that I have not granted any rights inconsistent with the rights granted herein.				
	e 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 AN IMA / MA				
Inventor: <u>Tuan</u>	Anh Be Date: $\frac{03/06/20/3}{2}$				
Signature:	The desired Alberta				
	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, ation form for each additional inventor				

PATENT REEL: 030782 FRAME: 0077

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

Title of Invention METHODS FOR UTILIZING STOP SIGN AND TRAFFIC LIGHT DETECTIONS TO ENHANCE FUEL ECONOMY AND SAFETY				
This declaration is directed to:				
The attached application, or United States application or PCT international application number filed on				
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. <u>13/829,538</u> , Filing Date <u>March 14, 2013</u>), and I hereby sell, assign and set over to the applications, in and to the inventions and discoveries in any and all countries, entities, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities, entities and intergovernmental organizations including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations 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.				
1 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: William Najib Mansur Date: 2/1/2015				
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.				

PATENT REEL: 030782 FRAME: 0078

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

Title of Invention	METHODS	FOR	UTILIZING	STOP	SIGN	AND	TRAFFIC	LIGHT
	DETECTION	IS TO	ENHANCE F	UEL EC	ONOM	AND	SAFETY	
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This declaration is directed to:

The attached application, or

United States application or PCT international application number

_____ filed on ______

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.

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 NA	ME OF INVENTOR			my proving 17 mgs
Inventor:	Mark Douglas Malone		Date:	<u> </u>
Signature:	The sould	Adda		
orgiana v.	the second s			
Note: An A	pplication Data Sheet (PTO/SB/14 or equival	ent), including naming the er	ntire inve	ntive entity, must accompany this form.
	onal declaration form for each additional inve			

PATENT REEL: 030782 FRAME: 0079

ASSIGNMENT AND	DECLARATION	(37 C.F.R. 1.63) FOF	R UTILITY OR DESIGN
			EET (37 C.F.R. 1.76)

Title of Invent	tion METHODS FOR UTILIZING STOP SIGN AND TRAFFIC LIGHT DETECTIONS TO ENHANCE FUEL ECONOMY AND SAFETY					
This declaration	This declaration is directed to:					
Ø	The attached application, or United States application or PCT international application number filed on					
The above-ident	ified application was made or authorized to be made by me.					
I hereby state the including the cla	hat I have reviewed and understand the contents of the specification in the above-identified application, tims.					
I believe that I a	in the original inventor or an original joint inventor of a claimed invention in the application.					
continuation-in-	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.					
FORD GLOBA of the State of hereinafter refer interest, domest of the ASSIGNI for the inventior name or names, insert the seria <u>13/829,538</u> ASSIGNEE, its applications, in including all a reexaminations And I hereby a including applic organizations, a	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto L TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws Delaware, having its principal place of business at Dearborn. County of Wayne, and State of Michigan, rred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and ic and foreign, in and to the inventions and discoveries in the above-identified invention including the right EE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent new new, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to alapplication number and filing date of the application to receive Letters Patent herein: Serial No					
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.						
	BOF INVENTOR Leonid Tikh Date: <u>3 - 4 - 2013</u>					
Signature:						
	cation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form					
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Use an additional declaration form for each additional inventor.

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RECORDED: 07/11/2013