10/19/2020 506309919

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6356668

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYAN M. WIESENBERG	10/12/2020
COLIN DAS	09/23/2020
MATTHEW HILL	09/15/2020
EMILY LERNER	09/11/2020
WILLIAM FANELLI	09/24/2020

RECEIVING PARTY DATA

Name:	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.
Street Address:	6565 HEADQUARTERS DRIVE W1-3C
City:	PLANO
State/Country:	TEXAS
Postal Code:	75024

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17074043	

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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.

(703) 413-3000 Phone: Email: ehasan@oblon.com **Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	522487US
NAME OF SUBMITTER:	EMEL HASAN
SIGNATURE:	/Emel Hasan/
DATE SIGNED:	10/19/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5 source=522487USAssignment#page1.tif source=522487USAssignment#page2.tif source=522487USAssignment#page3.tif

source=522487USAssignment#page4.tif source=522487USAssignment#page5.tif

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	SYSTEMS AND METHODS FOR VEHICLE LANE ESTIMATION			
As the below name	d inventor, I hereby declare that:			
This declaration	The attached application, or			
is directed to:	is directed to: United States application or PCT international application number			
The above-identifie	ed application was made or authorized to be made by			
I believe that I am t	he original inventor or an original joint inventor of a	claimed in	evention in the application.	
WHEREAS, TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC. (hereinafter referred to as "ASSIGNEE") having places of business at: 6565 Headquarters Drive W1-3C, Plano, TX 75024, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;				
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.				
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.				
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.				
	reledge that any willful false statement made in this dement of not more than five (5) years, or both.	eclaration i	is punishable under 18 U.S.C. 1001	
LEGAL NAME OF	FINVENTOR			
Inventor: Ryan M	I. WIESENBERG	Date:	10/12/2020	
Signature: Ruas	n Wiesenberg			

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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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: Colin D	DAS	Date:	2020-09-23	
Signature: Co	lin Das			

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LEGAL NAME OF INVENTOR				
Inventor: Matthew	w HILL Date	9/15/20		
Signature: Max	tthew Hill			

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LEGAL NAME OF	INVENTOR			
Inventor: Emily I	LERNER Date: 9/11/20			
Signature:	Ke-			

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LEGAL NAME OF	FINVENTOR			
Inventor: William	ı FANELLI	Date:	9/24/2020	
Signature: Ut	illiam Fanelli			

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> PATENT REEL: 054097 FRAME: 0857

RECORDED: 10/19/2020