## 504107872 11/22/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY D	ΔΑΤΑ						
		Name E	xecution Date				
TOYOTA MOTOR ENG	BINEERING	& MANUFACTURING NORTH AMERICA, INC. 11	/07/2016				
RECEIVING PARTY D	ΑΤΑ						
Name:	ΤΟΥΟΤΑ	TOYOTA JIDOSHA KABUSHIKI KAISHA					
Street Address:	1, TOYO	1, TOYOTA-CHO					
City:	ΤΟΥΟΤΑ	TOYOTA-SHI, AICHI-KEN					
State/Country:	JAPAN	JAPAN					
Postal Code:	471-857						
Property Type Patent Number: 940		Number 495602					
CORRESPONDENCE	DATA						
Fax Number:	(2	248)864-5960					
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## ASSIGNMENT OF PATENT

WHEREAS, Toyota Motor Engineering & Manufacturing North America, Inc. of Erlanger, KY (hereinafter referred to as "ASSIGNOR"), has obtained U.S. Patent No. 9,495,602, dated November 15, 2016, entitled IMAGE AND MAP-BASED DETECTION OF VEHICLES AT INTERSECTIONS;

WHEREAS, Toyota Motor Engineering & Manufacturing North America, Inc. desires to transfer ownership of above patent; and

WHEREAS, Toyota Jidosha Kabushiki Kaisha, a corporation organized under the laws of the Japan, having its principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan, ("ASSIGNEE"), desires to acquire the entire right, title, and interest in the aforesaid patent owned by Assignor;

Now therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the ASSIGNOR's entire right, title and interest in and to the aforesaid Patent; such right, title and interest to be held and enjoyed by the ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY GRANTS to the law firm of Darrow Mustafa PC the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Executed this	s day of	November		6 <sup>,</sup>		
			TOYOTA MOT	N.	ERING & HAMERICA,	INC.
		By:	Julle	-Afa		
		Print Name: _	Prederick W.	Mau, II		•••••.

Its: Intellectual Property Counsel