

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.	03/24/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
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<b>DATE SIGNED:</b>	04/04/2016
<b>Total Attachments: 1</b>	
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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 an ownership interest in U.S. Patent No. 9,285,519, dated March 15, 2016, entitled **OPTICAL DEVICE USING Laterally-Shiftable Diffraction Gratings**;

Whereas, Toyota Motor Engineering & Manufacturing North America, Inc. desires to transfer its ownership interest in the above patent; and

Whereas, **Kabushiki Kaisha Toyota Chuo Kenkyusho**, a corporation organized under the laws of the Japan, having its principal place of business at 41-1, Yokomichi, Nagakute-shi, Aichi-ken, 480-1192, Japan (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in the aforesaid patent held 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 to the full end of the term for which aforesaid Patent is granted, 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 24<sup>th</sup> day of March, 2016.

TOYOTA MOTOR ENGINEERING &  
MANUFACTURING NORTH AMERICA, INC.

By: 

Print

Name: Frederick W. Mau, II

Its: Intellectual Property Counsel