

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Toyota Motor Engineering & Manufacturing North America, Inc.	09/14/2012
RECEIVING PARTY DATA	
Name:	Kabushiki Kaisha Toyota Chuo Kenkyusho
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12434269
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Total Attachments: 2 source=PTO_120914_Executed_Assignment_TCRDL#page1.tif source=PTO_120914_Executed_Assignment_TCRDL#page2.tif	

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ASSIGNMENT

WHEREAS, Toyota Motor Engineering & Manufacturing North America, Inc., a corporation of Kentucky having a place of business at 25 Atlantic Avenue, Erlanger, Kentucky, 41018, United States, hereinafter the "Assignor," is a 50% owner of the invention and patent application entitled GRATING STRUCTURE FOR SPLITTING LIGHT, a full description of which is set out in United States application number 12/434,269, filed on May 1, 1009, and which is scheduled to issue as United States Letters Patent 8,264,773 on September 11, 2012;

WHEREAS Kabushiki Kaisha Toyota Chuo Kenkyusho, a business of Japan having a place of business at 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-Ken 480-1192, Japan, hereinafter the "Assignee," desires to acquire the entire right, title and interest in and to the invention and the patent identified above, and all patents which may be obtained for said invention, as set forth below;

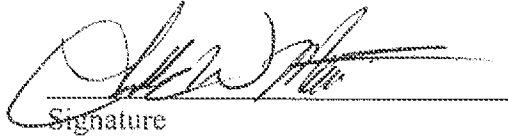
NOW, THEREFORE, for good, valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, for the United States, the entire right, title and interest in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to all continuations, divisions, reissues, renewals and extensions of the patent application and patent defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the

prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this Assignment.

By and on behalf of Toyota Motor Engineering & Manufacturing North America, Inc.


Signature

Erick W. Mott
Printed Name

IP Counsel
Title

9/14/12
Date