502505061 09/23/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Toyota Motor Engineering & Manufacturing North America, Inc.	09/12/2013

RECEIVING PARTY DATA

Name:	TOYOTA MOTOR CORPORATION
Street Address:	1, Toyota-cho
City:	Toyota-shi, Aichi-ken
State/Country:	JAPAN
Postal Code:	471-8571

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12913253

CORRESPONDENCE DATA

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Correspondent Name: Oblon, Spivak, et al.

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ATTORNEY DOCKET NUMBER:	361418US71
NAME OF SUBMITTER:	Karen L. Hudson
Signature:	/Karen L. Hudson/
Date:	09/23/2013

Total Attachments: 2

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PATENT REEL: 031257 FRAME: 0721 IP-A-740

ASSIGNMENT

WHEREAS, Toyota Motor Engineering & Manufacturing North America, Inc., a Kentucky corporation, having a place of business at 25 Atlantic Avenue, Erlanger, Kentucky 41018, is the exclusive owner, by assignment, of the application for letters patent Application No. 12/913,253, filed October 27, 2010; and which will issue as Letters Patent of the United States of America No. 8,541,133, on September 24, 2013; and

WHEREAS, Toyota Motor Corporation having a place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, Toyota Motor Engineering & Manufacturing North America, Inc. by these presents do sell, assign, and transfer unto ASSIGNEE the entire right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and the invention described therein, and any reissue or reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or reissues may be granted, said invention and Letters Patent to be held and enjoyed by the ASSIGNEE for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives, and for claims for damage by reasons of infringement past and present, as fully and entirely as the same would have been held by Toyota Motor

PATENT REEL: 031257 FRAME: 0722 Engineering & Manufacturing North America, Inc. had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, Toyota Motor Engineering & Manufacturing

North America, Inc. has caused these presents to be signed by its officer thereunto duly
authorized.

TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH

AMERICA, INC.

Date: $\frac{9/12}{13}$

Name: Frederick W. Mau, II

Title: Intellectual Property Counsel

PATENT REEL: 031257 FRAME: 0723

RECORDED: 09/23/2013