

## 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.	11/21/2012
RECEIVING PARTY DATA	
Name:	Toyota Motor Corporation
Street Address:	1 Toyota-Cho
City:	Toyota City, Aichi Prefecture
State/Country:	JAPAN
Postal Code:	471-8571
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8321112
CORRESPONDENCE DATA	
Fax Number:	5139778141
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	513-977-8200
Email:	laureen.mains@dinsmore.com
Correspondent Name:	Chris Elswick/Dinsmore & Shohl LLP
Address Line 1:	255 E. 5th Street, Suite 1900
Address Line 4:	Cincinnati, OHIO 45202
ATTORNEY DOCKET NUMBER:	22562-111
NAME OF SUBMITTER:	Christopher W. Elswick
Total Attachments: 1 source=Assignment_TMC#page1.tif	

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## ASSIGNMENT

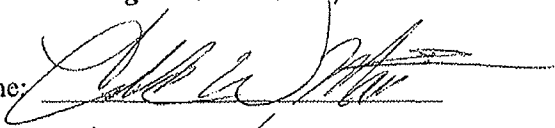
WHEREAS, **Toyota Motor Engineering & Manufacturing North America, Inc.** a corporation of the State of Kentucky, with a place of business at 25 Atlantic Avenue, Erlanger, KY 41018 (hereinafter referred to as Assignor), is the sole owner of the entire right, title and interest in and to the following United States Letters Patent No. 8,321,112 entitled **Systems and Methods for Adjusting Downshift Points in Vehicle Transmissions** (hereinafter referred to as "Letters Patent").

WHEREAS, **Toyota Motor Corporation**, a business of Japan, with a place of business at 1 Toyota-Cho, Toyota City, Aichi Prefecture 471-8571, Japan (hereinafter referred to as Assignee) is desirous of acquiring the entire right, title and interest in and to the aforesaid Letters Patent, and the inventions therein described;

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, Assignor hereby sells, assigns and transfers unto said Assignee, its successors and assigns, the entire right, title and interest in and to Letters patent, and the inventions therein disclosed, and any improvements thereon, the same to be held and enjoyed by the said Assignee for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives to the full end of the term for which said Letters Patent has been granted or may be granted, as fully and entirely as the same would have been held and enjoyed by said Assignor, if this assignment and sale had not been made; together with all claims for damages by reason of past infringement of said Letters Patent, with the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns and other legal representatives.

**Toyota Motor Engineering &  
Manufacturing North America, Inc.**

Date: 11/21/12

Name: 

Title: J.D. Cairns

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