503411678 07/28/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3458312

SUBMISSION TYPE:	NEW ASSIGNMENT					
NATURE OF CONVEYANCE:	ASSIGNMENT					

CONVEYING PARTY DATA

Name	Execution Date		
DALE A. LEWIS	07/24/2015		

RECEIVING PARTY DATA

Name:	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.
Street Address:	25 ATLANTIC AVE
City:	ERLANGER
State/Country:	KENTUCKY
Postal Code:	41018

PROPERTY NUMBERS Total: 1

Property Type	Number					
Application Number:	14810873					

CORRESPONDENCE DATA

Fax Number: (513)977-8141

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 5139778200

Email:cathy.vigil@dinsmore.comCorrespondent Name:ALEXANDER J. KALTERAddress Line 1:255 E FIFTH ST STE 1900Address Line 4:CINCINNATI, OHIO 45202

ATTORNEY DOCKET NUMBER:	22562-1423
NAME OF SUBMITTER:	ALEXANDER J. KALTER
SIGNATURE:	/Alexander J. Kalter/
DATE SIGNED:	07/28/2015

Total Attachments: 2

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PATENT 503411678 REEL: 036196 FRAME: 0006

ASSIGNMENT

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hereinafte	r the	ASSI	GNOR,	invent	ed	certain	new	and	useful	DI	E CO	MPA	ATIBI	LITY
ADAPTO	R FO	OR M	IACHIN	VE PE	ESS	CON	MMUN	ICA	TION	for	which	1 (execut	ed an
applicatio	n for a	Unite	d States	Patent	and	for whi	ich said	appl	lication	for t	Jnited	State	s Pate	nt was
filed on	2015-	07-28	3	, ur	ıder									

☑ Patent Application Serial No. 14/810,873
☑ Attorney Docket No. 22562-1423 / 2014-440

WHEREAS, the ASSIGNOR(S) hereby authorize(s) and request(s) the attorney(s) and/or agent(s) empowered to act on behalf of **Toyota Motor Engineering & Manufacturing North America**, Inc. in the aforementioned application, to insert above the filing date and application number of said application, when known;

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 called the *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any Letters Patent that may issue thereon;

AND, WHEREAS, it is the intent of the ASSIGNOR(S) to assign all rights to the above referenced application to the ASSIGNEE, including, but not limited to, all substantive rights in the above-referenced application as well as the right to claim priority, the right to be granted a patent in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States;

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, the entire right, title and interest, including the right to claim priority in and to said application, the inventions therein disclosed, and any improvements thereon, and in any and all Letters Patent that may be granted therefor in the United States and its territorial possessions and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, and in and to any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof;

ASSIGNOR(S) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, to issue, when granted, any Letters Patent thereon, and any and all divisions, continuations, substitutions, renewals, reexaminations, extensions and reissues thereof, to said ASSIGNEE, its successors and assigns, as the assignee of the entire right title and interest in and to the same, for the sole use and behalf of the ASSIGNEE and the ASSIGNEE's successors and assigns, to the full end of the term for which the Letters Patent may be granted, including the term of any and all divisions, continuations,

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substitutions, renewals, re-examinations, extensions and reissues thereof, as fully and entirely as the same would have been held by the ASSIGNOR(S) had this assignment not been made;

ASSIGNOR(S) hereby authorize said ASSIGNEE, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof; and

ASSIGNOR(S) hereby agree that, upon request, ASSIGNOR(S) will sign all papers, and make all rightful oaths, and do all acts which said ASSIGNEE, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States application or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof.

ASSIGNOR:

By: Dale A. Lewis

Date: 7-24-15

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RECORDED: 07/28/2015