## 505760328 11/06/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ROBERT CHARLES STEINBRECHER	11/01/2019
KIMBERLY A. STRIGLE	11/04/2019
ERIC M. BOTTEN	11/01/2019
PETER J. FINNIE	11/05/2019

#### **RECEIVING PARTY DATA**

Name:	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.
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City:	PLANO
State/Country:	TEXAS
Postal Code:	75024

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number			
Application Number:	16675760			

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ATTORNEY DOCKET NUMBER:	57151.40US01/IP-A-4045
NAME OF SUBMITTER:	NIA MARTINEZ
SIGNATURE:	/Nia Martinez/
DATE SIGNED:	11/06/2019

### **Total Attachments: 3**

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Toyota Docket No. IP-A-4045 HB Docket No. 57151.40US01

#### ASSIGNMENT

WHEREAS.

Robert Charles Steinbrecher, a citizen of the United States of America; and Kimberly A. Strigle, a citizen of the United States of America; and Eric M. Botten, a citizen of the United States of America; and

Peter J. Finnie, a citizen of the United States of America;

each	an AS	SIGNO	DR,	is ar	n inventor	· of	the	invention	in	COLLIS	SION	ENER	<b>GY</b>
ABSC	RBING	APPA	<b>RA</b> 1	US,	SYSTEMS	, AN	D ME	ETHODS,	for v	vhich an	appli	cation fo	or a
Paten	t of the	United	Stat	es wa	as filed on				, 20	119, as U	.S. A	pplicat	ion
No													

WHEREAS, **TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.** (ASSIGNEE), with offices located at 6565 Headquarters Drive W1-3C, Plano, Texas 75024, is desirous of obtaining each inventor's entire right, title, and interest in, to and under said invention, the said application and corresponding applications worldwide;

NOW, THEREFORE, in exchange for good and valuable consideration to the inventor, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire, worldwide right, title and interest in, to and under the invention, including the above United States non-provisional application embodying the invention or any other United States application to which priority is claimed under 35 U.S.C. § 119 and to any application to which priority is claimed, or claiming priority to the application noted above, under 35 U.S.C. § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the

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invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by the ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this sale and assignment not been made;

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument:

And ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

And ASSIGNOR herby authorizes the ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

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