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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRANKLIN W. OLIN COLLEGE OF ENGINEERING, INC	07/11/2019

RECEIVING PARTY DATA

Name:	TOYOTA MOTOR NORTH AMERICA, INC.	
Street Address:	6565 HEADQUARTERS DRIVE W1-3C	
City:	PLANO	
State/Country:	TEXAS	
Postal Code:	75024	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16506358

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: christina.rielag@dinsmore.com **Correspondent Name: DINSMORE & SHOHL LLP** Address Line 1: 255 EAST FIFTH STREET

Address Line 2: **SUITE 1900**

Address Line 4: CINCINNATI, OHIO 45202

ATTORNEY DOCKET NUMBER:	22562-2904/2018-1274/IP-A
NAME OF SUBMITTER:	CHRISTINA RIELAG
SIGNATURE:	/Christina Rielag/
DATE SIGNED:	08/21/2019

Total Attachments: 2

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> **PATENT** REEL: 050121 FRAME: 0085 505633268

ASSIGNMENT

WHEREAS	S, Franklin W. Olin College of Engineering, Inc., a pri	vate educational
institution of the Common	nwealth of Massachusetts with a place of business at 1	1000 Olin Way,
Needham, Massachusetts	02492, hereinafter the ASSIGNOR, is an owner having	rights, title and
interest in and to RETRA	ACTABLE STORAGE DEVICES for which an applicat	tion for a United
States Patent was filed on _	, under	
☐ Patent A _l	pplication Serial No	
	y Docket No. <u>22562-2904/2018-1274/IP-A-3654;</u>	

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

WHEREAS, **Toyota Motor North America, Inc.**, a corporation of the State of California, with a place of business at 6565 Headquarters Drive W1-3C, Plano, Texas 75024, hereinafter called the *ASSIGNEE*, is desirous of acquiring *ASSIGNOR(S)* 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 to assign all of its rights to the above referenced application to the ASSIGNEE, including, but not limited to, all of its substantive rights in the above-referenced application as well as its right to claim priority, its 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 hereby sells, assigns and transfers unto said ASSIGNEE, its successors and assigns, its entire right, title and interest, including its 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 hereby authorizes and requests 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, re-examinations, 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, substitutions, renewals, reexaminations, extensions and reissues thereof, as fully and entirely as the same would have been held by the ASSIGNOR had this assignment not been made;

PATENT REEL: 050121 FRAME: 0086 ASSIGNOR hereby authorizes 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 hereby agrees that, upon request, ASSIGNOR will sign all papers, and make all rightful oaths, and do all reasonable acts which said ASSIGNEE, its successors or assigns, may reasonably 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.

A	SS	IGN	IOR	

RECORDED: 08/21/2019

Franklin W. Olin College of Engineering, Inc.

By: /Patricia Gallagher/
Patricia Gallagher

Title: Vice President for Financial Affairs & CFO

Date: 7/11/2019

PATENT REEL: 050121 FRAME: 0087