PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AIMEE S. GONCALVES	08/22/2019
CHRISTOPHER GIDWELL	08/23/2019
JOSEPH BONDARYK	08/29/2019
PAUL W. BAIM	09/01/2019
TOFFEE ALBINA	08/23/2019

RECEIVING PARTY DATA

Name:	TOYOTA RESEARCH INSTITUTE, INC.
Street Address:	4440 EL CAMINO REAL
City:	LOS ALTOS
State/Country:	CALIFORNIA
Postal Code:	94022

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16560400

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	108749-187 / 2018-684
NAME OF SUBMITTER:	NICHOLAUS R. RERICHA
SIGNATURE:	/Nicholaus R. Rericha/
DATE SIGNED:	09/10/2019

Total Attachments: 2

PATENT REEL: 050324 FRAME: 0118 source=2019-09-10 Assignment as filed TRI2018-684PA#page1.tif source=2019-09-10 Assignment as filed TRI2018-684PA#page2.tif

PATENT REEL: 050324 FRAME: 0119

ASSIGNMENT

WHEREAS, we, Aimee S. Goncalves of 3 Grandview Avenue, Kingston, MA 02364,
Christopher Gidwell of 48 Farm Road, Sherborn, MA 01770, Joseph Bondaryk of 55 Kenwood
Street, Brookline, MA 02446, Paul W. Baim of 24 Tucker Street, Natick, MA 01760, and Toffee
Albina of 4 Leonard Avenue, Cambridge, MA 02139 hereinafter the <i>ASSIGNOR(S)</i> , invented certain new and useful ASSISTIVE ROBOT SYSTEMS FOR CONTAINER LIFTING for which we executed an application for a United States Patent and for which said application for United States Patent was filed on September 4, 2019, under
☐ Patent Application Serial No.

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

☑ Attorney Docket No. 108749-187 / 2018-684 / IP-A-3069;

WHEREAS, **Toyota Research Institute**, **Inc.**, a corporation of the State of California, with a place of business at 4440 El Camino Real, Los Altos, CA, 94022, 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, 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, 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(S):		
Ву:	Minee S. Goncalves/	
	Aimee S. Goncalves	
Date:	8/22/2019	
Ву:	Mistopher Gidwell	
	Christopher Gidwell	
Date:	8/23/2019	
By:	1. Joseph Bondaryk/	
	Joseph Bondaryk	
Date:	8/29/2019	
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	Paul W. Baim	
Date:	9/1/2019	
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	Toffee Albina	
Date:	8/23/2019	

RECORDED: 09/10/2019