

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TERADYNE, INC.	12/06/2022
RECEIVING PARTY DATA		
Name:	UNIVERSAL ROBOTS USA, INC.	
Street Address:	5430 DATA COURT	
Internal Address:	SUITE 300	
City:	ANN ARBOR	
State/Country:	MICHIGAN	
Postal Code:	48108	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16127960
CORRESPONDENCE DATA		
Fax Number:		
<i>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.</i>		
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Address Line 1:	125 HIGH STREET	
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ATTORNEY DOCKET NUMBER:	2012318-0000	
NAME OF SUBMITTER:	PAUL PYSHER	
SIGNATURE:	/Paul Pysher/	
DATE SIGNED:	12/12/2022	
Total Attachments: 5		
source=2022-12-12 Assignment (Teradyne to UR)#page1.tif		
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PATENT ASSIGNMENT

WHEREAS, Teradyne, Inc. (hereafter "Assignor"), a corporation having an address of 600 Riverpark Drive, North Reading, Massachusetts 01864, United States of America, submits that it is the owner of certain U.S. and foreign patents and applications (listed on the Table attached hereto) (hereafter the "Patent Properties") including by virtue of various Assignments recorded with the Assignment Division of the U.S. Patent and Trademark Office; and

WHEREAS, Universal Robots USA, Inc. (hereafter "Assignee"), a corporation, having an address of 5430 Data Court, Suite 300, Ann Arbor, Michigan 48108, United States of America, desires to acquire all right, title and interest in and to the Patent Properties.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over to Assignee, effective as of the execution date hereof, all its right, title and interest in and to the Patent Properties, as well as all right to priority, provisionals, continuations, divisions, and continuations-in-part applications relating to the Patent Properties, and all reissues and extensions thereof, the same to be held and enjoyed by Assignee for its own use and benefit, and for the use and benefit of its successors, assigns, or legal representatives, to the end of the term or terms for which the Patent Properties may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

Assignor also assigns to Assignee, all right, title and interest in and to the inventions and improvements which are subject of, and disclosed in, the Patent Properties throughout the world, including all counterpart international, national, and regional stage priority applications and applications that claim priority to the Patent Properties and the right to file applications and obtain patents, utility models, industrial models and designs for the Patent Properties in its own name throughout the world, including all rights to claim priority based on the filing date of the Patent Properties under the International Convention for the protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, to publish cautionary notices reserving ownership of the inventions and all rights to register the Patent Properties in appropriate registries; and Assignor further agrees to execute any

and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

Assignor also will communicate to Assignee any facts known to it regarding the Patent Properties; and, at the expense of Assignee, will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for the Patent Properties in all countries.

This Patent Assignment may be executed in counterparts, each of which shall be deemed an original and all of which, together, shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties have caused this Patent Assignment to be executed on the dates and in the capacities shown below.

Signature:

DocuSigned by:

Charles J. Gray

E724BA0078E348C...

Date: 06-Dec-2022

on behalf of Teradyne, Inc.

Charles J. Gray

Vice President and General Counsel, Teradyne, Inc.

Received and acknowledged by:

Signature:

DocuSigned by:

Charles J. Gray

E724BA0078E348C...

Date: 06-Dec-2022

on behalf of Universal Robots USA, Inc.

Charles J. Gray

Director, Universal Robots USA, Inc.

TABLE

JURISDICTION	APPLICATION NUMBER	PATENT NUMBER (IF ISSUED)	SUBJECT MATTER/TITLE
United States	16/275431	11226621	METHOD FOR OPTIMIZATION OF ROBOTIC TRANSPORTATION SYSTEMS
United States	62/630769	NOT ISSUED	SYSTEM AND METHOD FOR TRANSPORT UTILIZING ALGORITHMICALLY OPTIMIZED WALKING-STYLE GAIT MOTION
United States	16/113320	11465282	SYSTEM AND METHOD FOR MULTI- GOAL PATH PLANNING
United States	16/210573	NOT ISSUED	SYSTEM AND METHOD FOR CONTROLLING JERK ASSOCIATED WITH ONE OR MORE ROBOTIC JOINTS
PCT	PCT/US2019/055353	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
Brazil	BR1120210068945	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
China	2019800662421	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
Europe	19871711 (EP3863791A1)	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
Japan	2021518865	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
Korea	1020217013861	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
Mexico	MXa2021004142	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
Malaysia	PI2021001974	NOT ISSUED	SYSTEM AND METHOD FOR WELD PATH GENERATION
United States	16/159197	11440119	SYSTEM AND METHOD FOR WELD PATH GENERATION
PCT	PCT/US2019/040289	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
Canada	3103283	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
China	201980041397X	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
Europe	19779222 (EP3817899A1)	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
India	2002037052552	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
Japan	2020569928	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
Mexico	MXa2020014190	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
Malaysia	PI2020006893	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
Singapore	11202011973V	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
Thailand	2001007472	NOT ISSUED	SYSTEM AND METHOD FOR NATURAL

			TASKING OF ONE OR MORE ROBOTS
United States	16/025544	11103994	SYSTEM AND METHOD FOR NATURAL TASKING OF ONE OR MORE ROBOTS
United States	16/023962	11325263	SYSTEM AND METHOD FOR REAL-TIME ROBOTIC CONTROL
PCT	PCTUS1950195	NOT ISSUED	ROBOTIC COATING APPLICATION SYSTEM AND METHOD
United States	16/127960	11285616	ROBOTIC COATING APPLICATION SYSTEM AND METHOD
PCT	PCT/US2019/039226	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
Canada	3102997	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
China	2019800413984	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
Europe	19740180 (EP3814072A1)	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
India	202037052372	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
Japan	2020569995	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
Mexico	MXa2020014187	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
Malaysia	PI2020006891	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
United States	62/690186	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
Singapore	11202011865W	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
Thailand	2001007409	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
United States	16/453197	11511415	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING
China	2020800241478	NOT ISSUED	SYSTEM AND METHOD FOR CONSTRAINT MANAGEMENT OF ONE OR MORE ROBOTS
Europe	20787113 (EP3953114A1)	NOT ISSUED	SYSTEM AND METHOD FOR CONSTRAINT MANAGEMENT OF ONE OR MORE ROBOTS
Japan	2021558846	NOT ISSUED	SYSTEM AND METHOD FOR CONSTRAINT MANAGEMENT OF ONE OR MORE ROBOTS
Singapore	11202109599X	NOT ISSUED	SYSTEM AND METHOD FOR CONSTRAINT MANAGEMENT OF ONE OR MORE ROBOTS
Taiwan	109110982	NOT ISSUED	SYSTEM AND METHOD FOR CONSTRAINT MANAGEMENT OF ONE OR MORE ROBOTS
United States	16/378343	11358282	SYSTEM AND METHOD FOR CONSTRAINT MANAGEMENT OF ONE OR MORE ROBOTS
United States	16/530344	11203116	SYSTEM AND METHOD FOR PREDICTING ROBOTIC TASKS WITH DEEP LEARNING
PCT	PCT/US2020/041598	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC

			BIN PICKING USING ADVANCED SCANNING TECHNIQUES
Brazil	BR1120220004761	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
Canada	3145307	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
China	2020800459622	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
Europe	20843175 (EP4003667A1)	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
India	202117058472	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
Japan	2021576977	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
Mexico	MXa2022000872	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
PCT	PCTUS2041598	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
Singapore	11202114121X	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
Taiwan	109123021	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
United States	16/520007	NOT ISSUED	SYSTEM AND METHOD FOR ROBOTIC BIN PICKING USING ADVANCED SCANNING TECHNIQUES
PCT	PCTUS2061610	NOT ISSUED	MULTI-ANGLE END EFFECTOR
Taiwan	109141130	NOT ISSUED	MULTI-ANGLE END EFFECTOR
United States	17/100295	NOT ISSUED	MULTI-ANGLE END EFFECTOR
United States	29/685340	D938960	DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE