505595606 07/30/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5642407

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF APPLICANT/ASSIGNEE FROM "LOCUS ROBOTICS CORPORATION" TO "LOCUS ROBOTICS CORP." previously recorded on Reel 043704 Frame 0837. Assignor(s) hereby confirms the JOINT ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
THOMAS MOORE	09/19/2017
BRADLEY POWERS	09/25/2017

RECEIVING PARTY DATA

Name:	LOCUS ROBOTICS CORP.
Street Address:	301 BALLARDVALE ST.
City:	WILMINGTON
State/Country:	MASSACHUSETTS
Postal Code:	01887

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15712256

CORRESPONDENCE DATA

Fax Number:

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: 2077744000

Email: apaquette@verrilldana.com

Correspondent Name: VERRILL DANA, LLP
Address Line 1: ONE PORTLAND SQ.

Address Line 2: ONE PORTLAND SQUARE Address Line 4: PORTLAND, MAINE 04101

ATTORNEY DOCKET NUMBER: 49265-0201 US01

NAME OF SUBMITTER: JOHN W. POWELL

SIGNATURE: /John W. Powell/

DATE SIGNED: 07/30/2019

Total Attachments: 6

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PATENT 505595606 REEL: 049899 FRAME: 0095

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> PATENT REEL: 049899 FRAME: 0096

504566115 09/26/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4612826

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
THOMAS MOORE	09/19/2017
BRADLEY POWERS	09/25/2017

RECEIVING PARTY DATA

Name:	LOCUS ROBOTICS CORPORATION	
Street Address:	301 BALLARDVALE STREET	
City:	WILMINGTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01887	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15712256

CORRESPONDENCE DATA

Fax Number:

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.

Email: patents@verrilldana.com VERRILL DANA, LLP Correspondent Name:

Address Line 1: ONE PORTLAND SQUARE **PORTLAND, MAINE 04112-0586**

Address Line 4:

ATTORNEY DOCKET NUMBER:	30188-020001	
NAME OF SUBMITTER:	JOHN W. POWELL	
SIGNATURE:	/John W. Powell/	
DATE SIGNED:	09/26/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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PATENT REEL: 049899 FRAME: 0097

JOINT ASSIGNMENT Attorney Docket No.: 30188-020001 ORCA

ASSIGNEE/APPLICANT SIGNATURE

Entity Name:	Locus Robotics Corporation Corp.	
Address:	301 Ballardvale Street, Wilmington, MA 01887	
State and Country where Entity was formed:	Delaware, United States	
Date:	9/19/12	
Signature:	1225	
Printed Name & Title	Bruce Welty, Chairman	

COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) SS.)
On	ry evidence) to be the person whose name is ed having executed the same in his authorized

WITNESS my hand and official seal.

CLAIRE M. SARMANIAN
Notary Public
COMMONWEATH OF MASSACHUSETTS
My Commission Expires
February 8, 2019

Clan M Lamanian

Notary Public

PATENT REEL: 049899 FRAME: 0098

JOINT ASSIGNMENT Attorney Docket No.: 30188-020001 ORCA

ASSIGNMENT OF RIGHTS INCORPORATING DECLARATION Under 37 CFR 1.63 incorporating language under the Leahy-Smith America Invents Act

For valuable consideration, we, Thomas Moore of 13 Upper Cramond Court, Edinburgh EH4 6RQ, United Kingdom and Bradley Powers of 130 John Street, Apt. 552, Lowell, MA 01852, hereby assign to Locus Robotics Corporation, a corporation of, having a Date: place of business at 301 Ballardvale Street, Wilmington, MA 01887, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DYNAMIC WINDOW APPROACH USING OPTIMAL RECIPROCAL COLLISION AVOIDANCE COST-CRITIC, filed September 22, 2017 and assigned U.S. Serial Number 15/712,256, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application 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; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

TM Initials: 1 Page 19 Page 19

JOINT ASSIGNMENT Attorney Docket No.: 30188-020001

ASSIGNMENT OF RIGHTS INCORPORATING DECLARATION Under 37 CFR 1.63 incorporating language under the Leahy-Smith America Invents Act

For valuable consideration, we, Thomas Moore of 13 Upper Cramond Court, Edinburgh EH4 6RQ, United Kingdom and Bradley Powers of 130 John Street, Apt. 552, Lowell, MA 01852, hereby assign to Locus Robotics Corporation, a corporation of, having a Date: 7/17/ place of business at 301 Ballardvale Street, Wilmington, MA 01887, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DYNAMIC WINDOW APPROACH USING OPTIMAL RECIPROCAL COLLISION AVOIDANCE COST-CRITIC, filed September 22, 2017 and assigned U.S. Serial Number 15/712,256, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application 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; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

TM Initials: BP Initials: B

JOINT ASSIGNMENT Attorney Docket No.: 30188-020001 ORCA

ASSIGNORS/INVENTORS SIGNATURES:

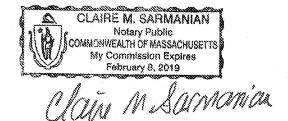
<u>DECLARATION</u>: The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name:	Thomas Moore	
Citizenship:	Dual Citizen of the United States and the United Kingdom	
Job Title:	Senior Roboticist	
Address:	13 Upper Cramond Court, Edinburgh EH4 6RQ, United Kingdom	
Date:	September 19, 2017	
Signature:	Tam Mast	

CITY:)
) SS.
COUNTRY:)

On 9/19/2017, before me, the undersigned, a [insert title of person authorized to take oath], there personally appeared Thomas Moore personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



<u>Claise M Sommaniau</u> Pritned name **Patent**

REEL: 049899 FRAME: 0101

JOINT ASSIGNMENT
Attorney Docket No.: 30188-020001

<u>DECLARATION</u>: The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name:	Bradley Powers
Citizenship:	US Citizen
Job Title:	Principal Roboticist
Address:	130 John Street, Apt. 552, Lowell, MA 01852
Date:	9/25/17
Signature:	2/2-6

COMMONWEALTH OF MASSACHUSETTS)
) SS.
COUNTY OF MIDDLESEX)

On 205/201, before me, the undersigned, a notary public for the Commonwealth of Massachusetts, there personally appeared Bradley Powers personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

CLAIRE M. SARMANIAN
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
February 8, 2019

RECORDED: 07/30/2019

Notary Public

PATENT REEL: 049899 FRAME: 0102