PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL BALUTIS	05/19/2015
Andrew Beaulieu	04/09/2015
Brian Yamauchi	06/09/2015
Karl Jeffrey Karlson	04/16/2015
Dominic Hugh Jones	06/18/2015

RECEIVING PARTY DATA

Name:	iRobot Corporation
Street Address:	8 Crosby Drive
City:	Bedford
State/Country:	MASSACHUSETTS
Postal Code:	01730

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14570616

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: 612-335-5070 **Email:** jhr@fr.com

Correspondent Name: JAMES W. BABINEAU
Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	09945-0221001	
NAME OF SUBMITTER:	JAMES W. BABINEAU	
SIGNATURE:	/James W. Babineau/	
DATE SIGNED:	07/17/2015	

Total Attachments: 8

PATENT REEL: 036123 FRAME: 0086

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PATENT REEL: 036123 FRAME: 0087

Attorney Docket No.: 09945-0221001 / OD-11 US

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>PAUL BALUTIS</u>, <u>ANDREW BEAULIEU</u>, <u>BRIAN YAMAUCHI</u>, <u>KARL JEFFREY KARLSON</u> and <u>DOMINIC HUGH JONES</u> each individually assign to, <u>IROBOT CORPORATION</u> a corporation formed under the laws of <u>DELAWARE</u> and having a principal place of business at <u>8 CROSBY DRIVE BEDFORD</u>, <u>MA 01730</u>, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "<u>MOWING PATH OPTIMIZATION</u>", and was filed in the United States Patent and Trademark Office on <u>December 15, 2014</u>, as application 14/570,616 (the "Application"). We authorize the insertion of the filing date and application number above.

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

Assignment Page 1 of 4

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	Date:
Paul Balutis	
Witnessed by:	
Signature	Date:
Print Name:	
Signature:	Date:
Print Name:	
Andrew Beaulieu	Date: 4/9/15
Witnessed by:	
Signature: ZOQQ	Date: 45/5
Print Name: Tony Omke	
Signature: Lim Mayybre	Date: 4-9-15
Print Name: List MA220	10

Brian Yamauchi	Date: <u>6/9/15</u>
Witnessed by:	· 121.
Signature: Park A A COLO	Date: 6/9/15
Print Name: Poul T. Micele	
Signature:	Date:
Print Name:	
Karl Jeffred Karlson	Date: 4/16/15
Witnessed by:	
Signature: Howa Ol	Date: 411415
Tonya S. Drak Print Name: VP & Asst. General C	e Counsel
Print Name: VP & Asst. General C Signature: WM Muff	Date: 4-16-15
Print Name: Lisa Mazzore	

Dominic Hugh Jones	Date: 06/18/2015	
Witnessed by: Signature: Print Name: A T MCCC	Date: 4/18/15	s.
Signature:	Date:	
Print Name;		
The Assignee hereby acknowledges and acc	cepts the foregoing assignment.	
Assignee: ilobot Corporation		
Signature: Jou O	Date: 4/20/15	***********************
Name: Tonya S. Drake VP & Asst. General Cou	ingal	······································
Title:		

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Attorney Docket No.: 09945-0221001 / OD-11 US

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>PAUL BALUTIS</u>, <u>ANDREW BEAULIEU</u>, <u>BRIAN YAMAUCHI</u>, <u>KARL JEFFREY KARLSON</u> and <u>DOMINIC HUGH JONES</u> each individually assign to, <u>IROBOT CORPORATION</u> a corporation formed under the laws of <u>DELAWARE</u> and having a principal place of business at <u>8 CROSBY DRIVE BEDFORD</u>, <u>MA 01730</u>, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "<u>MOWING PATH OPTIMIZATION</u>", and was filed in the United States Patent and Trademark Office on <u>December 15, 2014</u>, as application 14/570,616 (the "Application"). We authorize the insertion of the filing date and application number above.

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We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

Assignment Page 1 of 4

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

La Calabanda Paul Balutis	Date: <u>05-19-2015</u>
Witnessed by:	ž ž
Signature: Air Mor	Date: <u>~5/19/15</u>
Print Name: Christopher Morse	
Signature:	Date:
Print Name:	•
Andrew Beaulieu	Date:
Witnessed by:	
Signature:	Date:
Print Name:	
Signature;	Date:
Print Name:	

Assignment Page 2 of 4

	Date:	
Brian Yamauchi		
Witnessed by:		
Signature:	Date:	
Print Name:		
Signature:	Date:	***************************************
Print Name:	w.	
	_	
Karl Jeffrey Karlson	Date:	::::::::::::::::::::::::::::::::::::::
Witnessed by:		
Signature:	Date:	
Print Name:		
Signature:		
Print Name		

Assignment Page 3 of 4

Attorney Docket No.: 09945-0221001 / OD-11 US

	Date:
Dominic Hugh Jones	
Witnessed by:	
Signature:	Date:
Print Name:	
Signature:	Date:
Print Name:	
The Assignee hereby acknowledges and acc	cepts the foregoing assignment.
Assignee: iRobot Corporation	
Signature: Juy Ol	Date: <u> </u>
Name: <u>42400</u>	
	El

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