PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4194934

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Paul C. Balutis | 05/19/2015 |
| Alec Likhite | 04/09/2015 |
| Brian Doughty | 04/09/2015 |
| Jeff Karlson | 04/16/2015 |
| Tyler Nikitas | 07/16/2015 |

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: | 15379796 |

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: (617) 956-5904

Email: apsi@fr.com, petersen@fr.com

Correspondent Name: ALEX YU

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

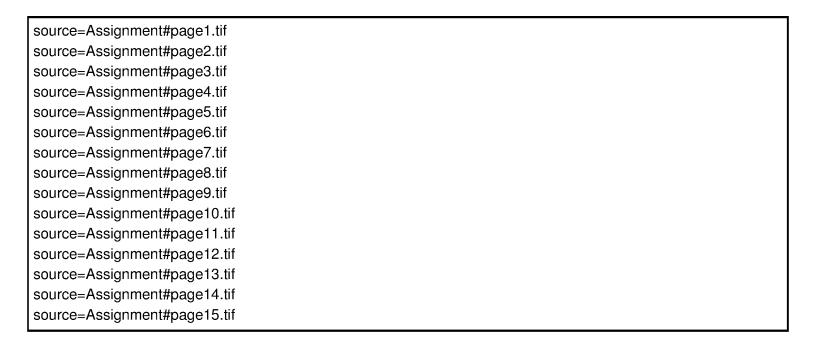
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

| ATTORNEY DOCKET NUMBER: | 09945-0240002 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | AMANDA PETERSEN |
| SIGNATURE: | /Amanda Petersen/ |
| DATE SIGNED: | 12/21/2016 |
| | • |

Total Attachments: 15

PATENT REEL: 041089 FRAME: 0929

504148261



PATENT REEL: 041089 FRAME: 0930

ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, PAUL_C, BALUTIS, assign to IROBOT CORPORATION, a corporation formed under the laws of Delaware and having a principal place of business at 8 Crosby Drive.

Bedford, MA 01730, and its successors, transferees, and assignees (collectively the "Assignee"), all of my right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names me as inventor, is titled "AUTONOMOUS MODILE ROBOT", and was filed in the United States Patent and Trademark Office on March 17, 2015, as application 14/659,705 (the "Application").

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.

I authorize the Assigned 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 my name or in the Assignee's name.

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

I 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 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.

Assignment Page 1 of 3

| Hadi C. Balutis III | Daie: <u>05 - 19 - 2015 -</u> |
|-----------------------------|-------------------------------|
| Witnessed by: | |
| Signature: 2414 | Date: 5/19/15 |
| Print Name: Christylio/Marc | * * |
| Signature: | Date: |
| Print Name: | |

| The Assignee hereby acknowledges and accepts the foregoing assignment. |
|---|
| Assignee: IROBOT CORPORATION |
| Signature; Jou Date: 8-3-15 Tonya S. Drake |
| Tonya S. Drake |
| Name: VP & Asst. General Counse |
| Title: |
| The Commonwealth of Massachusetts |
| Middleson ss. |
| On this 3 day of AUGUST 20, before me, the undersigned notary public, personally appeared 10 y a Drate proved to me through satisfactory evidence of identification, which were 1000 to be the person(s) whose name(s) is/are signed on the preceding or attached document, and |
| acknowledged to me that signed it voluntarily for its stated purpose. |
| Signed it Volumenty for its stated purpose. Signed it Volumenty for its stated purpose. Signed it Volumenty for its stated purpose. Signed it Volumenty for its stated purpose. Signed it Volumenty for its stated purpose. |

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>PAUL C. BALUTIS</u>, <u>ALEC LIKHITE</u>, <u>BRIAN DOUGHTY</u>, <u>IEFF KARLSON</u>, and <u>TYLER NIKITAS</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</u> <u>Crosby Drive</u>, <u>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>AUTONOMOUS MOBILE ROBOT</u>", and was filed in the United States Patent and Trademark Office on <u>March 17</u>, 2015, as application 14/659,705 (the "Application").

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

PATENT REEL: 041089 FRAME: 0934 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 C. Balutis | |
| Witnessed by: | |
| Signature: | Date: |
| Print Name: | |
| Signature: | Date: |
| Print Name: | |
| | |
| Alec Likhite | Date: 4/9/2015 |
| Witnessed by: Signature: 46 | Date: 4/9/2015 |
| Print Name: Pryc Oscil | |
| Signature: | Date: 4-13 -15 |
| Print Name: 434 Marzon | <i>9</i> |

Assignment Page 2 of 4

| Br/an/Doughty | Date: <u> </u> | 1/15 |
|-------------------------|---|--------|
| Witnessed by: | | |
| Signature: 1000_ | Date: | 1/9/15 |
| Print Name: Tonya Oaks. | | |
| Signature: Jun Muffy | Date: | 4-9-15 |
| Print Name: Liga M2704 | | |
| | | |
| | Date: | |
| Jeff Karlson | *************************************** | |
| Witnessed by: | | |
| Signature: | Date: | |
| Print Name: | | |
| Signature | Date: | |
| Print Name: | | |
| | | |
| | l'Embras | |
| Tyler Nikitas | Date; | |
| Witnessed by: | | |
| Signature: | Date: | |
| Print Name: | | |
| Signature: | Date: | |
| Print Name: | | |

| The Assignee hereby acknowledges and accepts the foregoing a | ssignment. |
|--|---------------|
| Assignee: IROBOT CORPORATION | |
| Signature: O | Date: 4-14-15 |
| Name: Tonya Drake | |
| Title: VP & ASSI. Gen. Gwnsel | |
| | |

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Assignment Page 4 of 4

<u>ASSIGNMENT</u>

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>PAUL C. BALUTIS</u>, <u>ALEC LIKHITE</u>, <u>BRIAN DOUGHTY</u>, <u>JEFF KARLSON</u>, and <u>TYLER NIKITAS</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</u>, <u>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>AUTONOMOUS MOBILE ROBOT</u>", and was filed in the United States Patent and Trademark Office on <u>March 17, 2015</u>, as application <u>14/659,705</u> (the "Application").

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 C. Balutis | | |
| Witnessed by: | | |
| Signature: | Date: | |
| Print Name: | | |
| Signature: | Date: | |
| Print Name: | | |
| | | |
| | | |
| | | |
| Alec Likhite | Date: | |
| Witnessed by: | | |
| Signature: | Date: | 2222 |
| Print Name: | | |
| Signature: | Date: | **** |
| Print Name: | | |

Assignment Page 2 of 4

| | Date: | |
|--|---------------|---------|
| Brian Doughty | | · . |
| Witnessed by: | | |
| Signature: | Date: | |
| Print Name: | | |
| Signature: | Date: | ****** |
| Print Name: | | |
| Jeff Karls H | Date: 4/16/15 | |
| Witnessed by: | | |
| Signature: Dur OL | Date: 411615 | |
| Tonya S. Dra Print Name:VP & Asst. General | l Connect | |
| Signature: <u>Li-Ney-fic</u> | Date: 4-14-15 | |
| Signature: <u>Li May fre</u> Print Name: <u>Li SA Mazzo</u> | e | |
| | | |
| Tyler Nikitas | Date: | |
| Witnessed by: | | |
| Signature: | Date: | ,,,,,,, |
| Print Name: | | |
| Signature: | | |
| Print Name: | | |

| Assignee: IROBOT CORPORATION | |
|------------------------------|-----------------|
| Signature: Jour Ol- | Date: 7-21-2015 |

Name: Toya Drake

The Assignee hereby acknowledges and accepts the foregoing assignment.

Title: VP & ASSt. General Counsel

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>PAUL C. BALUTIS</u>, <u>ALEC LIKHITE</u>, <u>BRIAN DOUGHTY</u>, <u>JEFF KARLSON</u>, and <u>TYLER NIKITAS</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</u>, <u>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>AUTONOMOUS MOBILE ROBOT</u>", and was filed in the United States Patent and Trademark Office on <u>March 17</u>, <u>2015</u>, as application <u>14/659,705</u> (the "Application").

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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 C. Balutis | |
| Witnessed by: | |
| Signature: | Date: |
| Print Name: | |
| Signature: | Date: |
| Print Name: | |
| | |
| | |
| | |
| Alec Likhite | Date: |
| Witnessed by: | |
| Signature: | Date: |
| Print Name: | |
| Signature: | Date: |
| Print Nama: | |

Assignment Page 2 of 4

| | Date: | The |
|-----------------------|-----------------|-----|
| Brian Doughty | | |
| Witnessed by: | | |
| Signature: | Date: | |
| Print Name: | | |
| Signature: | Date: | |
| Print Name: | | |
| | | |
| | Datai | |
| Jeff Karlson | Date: | e e |
| Witnessed by: | | |
| Signature: | Date: | |
| Print Name: | | |
| Signature: | Date: | |
| Print Name: | | |
| | | |
| | Date: 7/11/2015 | |
| Tyler Nikitas | Date: | ii. |
| Witnessed by: | * | |
| Signature: | Date: 7/16/15 | |
| Print Name: Thris G 5 | * | |
| Signature: | Date: 7/1/15 | |
| Print Name: ALY MANC | > | |

| The Assignee hereby acknowledges and accepts the foregoing | ssignment | |
|--|-----------|-----------|
| Assignee: IROBOT CORPORATION | | |
| Signature: DAOOL | Date: | 7-21-2015 |
| Name: Tonya Drake | | |
| Title: VP & ASST. General Counsel | | |
| | | |
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Assignment Page 4 of 4

PATENT REEL: 041089 FRAME: 0945

RECORDED: 12/21/2016