

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM379651

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
iRobot Defense Holdings, Inc.		04/04/2016	Corporation: DELAWARE
Endeavor Robotic Intermediate Holdings, Inc.		04/04/2016	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	PNC Bank, National Association		
Street Address:	Commercial Loan Service Center/DCC		
Internal Address:	500 First Avenue		
City:	Pittsburgh		
State/Country:	PENNSYLVANIA		
Postal Code:	15219		
Entity Type:	National Banking Association: UNITED STATES		
PROPERTY NUMBERS Total: 8			
Property Type	Number	Word Mark	
Registration Number:	3747768	EXPLORER	
Registration Number:	3824893	FASTAC	
Registration Number:	4183719	FIRSTLOOK	
Registration Number:	3717521	NEGOTIATOR	
Registration Number:	2865183	PACKBOT	
Registration Number:	3726780	WARRIOR	
Serial Number:	86169012	KOBRA	
Serial Number:	86418229	UPOINT	
CORRESPONDENCE DATA			
Fax Number:	2158325619		
<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>			
Phone:	215-569-5619		
Email:	pecsenye@blankrome.com		
Correspondent Name:	Timothy D. Pecsénye		
Address Line 1:	One Logan Square		
Address Line 4:	Philadelphia, PENNSYLVANIA 19103		

OP \$215.00 3747768

ATTORNEY DOCKET NUMBER:	074658-16002
NAME OF SUBMITTER:	Timothy D. Pecsénye
SIGNATURE:	/Timothy D. Pecsénye/
DATE SIGNED:	04/06/2016

Total Attachments: 29

source=Intellectual Property Security Agreement (Discovery) [Executed]#page1.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page2.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page3.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page4.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page5.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page6.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page7.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page8.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page9.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page10.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page11.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page12.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page13.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page14.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page15.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page16.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page17.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page18.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page19.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page20.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page21.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page22.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page23.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page24.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page25.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page26.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page27.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page28.tif
source=Intellectual Property Security Agreement (Discovery) [Executed]#page29.tif

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT** (this "Agreement"), dated as of April 4, 2016, is made by **IROBOT DEFENSE HOLDINGS, INC.**, a corporation organized under the laws of the State of Delaware ("iRobot") and **ENDEAVOR ROBOTIC INTERMEDIATE HOLDINGS, INC.**, a corporation organized under the laws of the State of Delaware ("Holdings", together with iRobot, collectively, the "Grantors", and each a "Grantor"), in favor of **PNC BANK, NATIONAL ASSOCIATION**, as agent for lenders under that certain Credit Agreement (as defined below) ("PNC").

WITNESSETH:

WHEREAS, pursuant to that certain Revolving Credit, Term Loan and Security Agreement, dated as of even date herewith (the "Credit Agreement"), among Grantors, as borrowers (Grantors, together with each other Person joined thereto as a borrower from time to time, collectively, the "Borrowers" and each a "Borrower"), the financial institutions party thereto as lenders (collectively, the "Lenders" and each a "Lender") and PNC, as agent for the Lenders (in such capacity, the "Agent"), Agent and Lenders have made and/or will in the future make certain extensions of credit to the Borrowers upon the terms and subject to the conditions set forth therein. Capitalized terms used herein and not otherwise defined herein shall have the meanings given to such terms in the Credit Agreement.

WHEREAS, pursuant to the Credit Agreement, each Grantor has granted to Agent, for its own benefit and for the ratable benefit of each Secured Party, security interests in and to and Liens on substantially all of such Grantor's assets, including without limitation all of such Grantor's Intellectual Property and specifically including all of each Grantor's registered patents, trademarks and copyrights and all of such Grantor's filed patent applications, trademark applications and copyright applications, all whether now owned or hereafter created, arising and/or acquired (collectively, the "Registered Intellectual Property"); and

WHEREAS, Grantors have agreed to execute and deliver this Agreement and to have a copy of this Agreement filed with the United States Patent and Trademark Office and/or the United States Copyright Office (as applicable) in order to perfect and/or protect all of Agent's Liens in the Registered Intellectual Property.

NOW, THEREFORE, in consideration of the premises and mutual covenants and agreements provided for herein and in the Credit Agreement, and for other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged by each party hereto, and intending to be legally bound, the parties hereto agree as follows:

Section 1. Grant of Security Interest in Intellectual Property Collateral. Without limiting any other grant of Lien by any Grantor in any Collateral under the Credit Agreement or any Other Document, to secure the prompt payment and performance of all Obligations to each Secured Party, each Grantor hereby grants to Agent, for its benefit and for the ratable benefit of each Secured Party, a continuing security interest in and to and Lien on all of such Grantor's right, title and interest in, to and under the following Collateral of Grantor, all whether now

owned and/or existing or hereafter created, arising and/or acquired (the “Intellectual Property Collateral”):

(a) all of its registered copyrights and filed copyright applications, including, without limitation, those referred to on Schedule 1 hereto or on any schedule to any Supplement (as defined below) delivered hereafter, together with all renewals, reversions and extensions of the foregoing;

(b) all of its registered trademarks and filed trademark applications, including, without limitation, those referred to on Schedule 1 hereto or on any schedule to any Supplement delivered hereafter, together with all renewals, reversions and extensions of the foregoing;

(c) all goodwill of the business connected with the use of, and symbolized by, each such trademark and trademark application covered by (b) above;

(d) all of its registered/issued patents and filed patent applications, without limitation, those referred to on Schedule 1 hereto or on any schedule to any Supplement delivered hereafter, together with all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the foregoing;

(e) all applications, registrations, claims, awards, judgments, amendments, improvements and insurance claims related thereto now or hereafter owned or licensed by any Grantor, or any claims for damages by way of any past, present, or future infringement of any of the foregoing, together with all accessions and additions thereto and proceeds thereof (including, without limitation, any proceeds resulting under insurance policies); provided, further, that the Intellectual Property Collateral shall include, without limitation, all cash, royalty fees, other proceeds, Receivables, accounts and general intangibles that consist of rights of payment to or on behalf of any Grantor or proceeds from the sale, licensing or other disposition of all or any part of, or rights in, the Intellectual Property Collateral by or on behalf of any Grantor; and

(f) all income, royalties, proceeds and liabilities at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof which such continuing security interest in and Lien upon the Intellectual Property Collateral, and this Agreement, shall continue in full force and effect to secure each of the Obligations until such time as the Obligations are indefeasibly paid in full and the obligations of Agents and Lenders to make extensions of credit to Grantors under the Credit Agreement or any Other Document is terminated.

Section 2. Credit Agreement. The security interest granted pursuant to this Agreement is granted in conjunction with, and in no way limits, the security interests granted to the Agent pursuant to the Credit Agreement, and Grantors hereby acknowledge and agree that the rights and remedies of the Agent with respect to the security interests and Liens in the Intellectual Property Collateral made and granted hereby are more fully set forth in the Credit Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

Section 3. Registration/Filing. This Agreement is intended by the parties to be filed, and Grantors hereby authorize Agent to file and record a copy of this Agreement, with the United States Patent and Trademark Office and United States Copyright Office, as applicable.

Section 4. Grantors Remain Liable. Grantors hereby agree that, anything herein to the contrary notwithstanding, Grantors shall retain full and complete responsibility for the prosecution, defense, enforcement or any other necessary or desirable actions in connection with their Intellectual Property subject to a security interest hereunder.

Section 5. Agreement to Deliver Supplements. Each Grantor hereby covenants and agrees that promptly upon the acquisition by such Grantor of any new Registered Intellectual Property Collateral (including any registration or issuance of any patent, trademark or copyright arising out of any filed patent application, trademark application or copyright application previously listed on Schedule 1 hereto or the schedule to any other Supplement delivered to Agent in accordance with this paragraph), Grantors shall, concurrently with the delivery of updated schedules required by Section 9.17 of the Credit Agreement, deliver to Agent a duly executed supplement to this Agreement in the form of Exhibit A hereto (a "Supplement"), listing all such newly acquired Registered Intellectual Property on Schedule I thereto, pursuant to which Grantors shall reconfirm the grant of a security interest in such newly acquired Registered Intellectual Property Collateral to Agent, for its benefit and for the ratable benefit of each other Secured Party, to secure the Obligations. Each such Supplement is intended by the parties to be filed, and Grantors hereby authorizes Agent to file and record a copy of each such Supplement, with the United States Patent and Trademark Office and/or United States Copyright Office, as applicable. Regardless of whether any Supplement is delivered by Grantors, and without limiting the generality of the provisions of Section 1 hereof, Grantors hereby confirm and agree that any and all such after-acquired Registered Intellectual Property Collateral, and all Intellectual Property Collateral relating thereto, shall immediately and automatically upon any Grantor's acquisition of any right, title and interest therein become part of the Intellectual Property Collateral hereunder. In the event that any Grantor acquires any such new Registered Intellectual Property but Grantors fail for whatever reason to promptly deliver a Supplement pursuant to this Section 5, Grantors hereby authorize Agent, acting under its power of attorney granted pursuant to Section 8 below, to at any time thereafter execute in the name of each Grantor an applicable Supplement with respect to such newly acquired Registered Intellectual Property, arising and/or acquired and to file the same with the United States Patent and Trademark Office and/or United States Copyright Office, as applicable.

Section 6. Representation and Warranties. Each Grantor hereby represents and warrants to Agent and to the Lenders that Schedule 1 sets forth a full, complete and correct list of all Registered Intellectual Property Collateral owned by such Grantor as of the date hereof.

Section 7. Events of Default and Remedies. The occurrence of any Event of Default under the Credit Agreement shall constitute an "Event of Default" under this Agreement. Upon the occurrence of and during the continuance of any such Event of Default, Agent, in addition to all other rights, options, and remedies granted to Agent under the Credit Agreement or any Other Document, or otherwise available to Agent at law or in equity, may exercise, either directly or through one or more assignees or designees, with respect to the Intellectual Property Collateral all rights and remedies granted to it as a secured creditor under the Uniform Commercial Code.

Section 8. Power of Attorney. Without limiting the generality of any power of attorney granted to Agent under the Credit Agreement or any Other Document, each Grantor hereby authorizes Agent, its successors and assigns, and any officer, employee, attorney or agent thereof, as such Grantor's true and lawful attorney-in-fact, with the power (i) to execute and endorse on behalf of and in the name of such Grantor any Supplement to this Agreement or other security agreement or similar document or instrument which Agent may deem necessary or desirable in order to create, protect, perfect or enforce the security interest in the Intellectual Property Collateral provided for herein and in each case to file or record any such Supplement or other security agreement or similar document or instrument with the United States Patent and Trademark Office and/or the United States Copyright Officer, as applicable, in the name of and on behalf of such Grantor and (ii) after the occurrence and during the continuance of an Event of Default, to execute and endorse on behalf of and in the name of such Grantor any assignment, bill of sale or similar document or instrument which Agent may deem necessary or desirable in order for Agent to assign, pledge, convey or otherwise sell, transfer title in or dispose of the Intellectual Property Collateral, and in each case to file or record with the United States Patent and Trademark Office and/or the United States Copyright Officer, as applicable, in the name of and on behalf of such Grantor any such assignment or bill of sale or other document executed by Agent, its successors and assigns, and any officer, employee, attorney or Agent thereof under this power of attorney. Each Grantor hereby unconditionally ratifies all that any person authorized under this power of attorney shall lawfully do or cause to be done by virtue hereof and in accordance with the terms hereof and of the Credit Agreement and the Other Documents. This power of attorney is coupled with an interest and is and shall be irrevocable

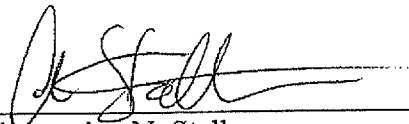
Section 10. Counterparts. This Agreement may be executed in counterparts, each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Any signature delivered by a party by facsimile or electronic transmission (including email transmission of a PDF copy) shall be deemed to be an original signature hereto.

Section 11. Governing Law. This Agreement, and all matters relating hereto or arising herefrom (whether arising under contract law, tort law or otherwise) shall, in accordance with Section 5-1401 of the General Obligations Law of the State of New York, be governed by and construed in accordance with the laws of the State of New York. Without limiting the generality of the general incorporation of the Credit Agreement herein provided for above, the provisions of Section 16.1 of the Credit Agreement (agreements regarding, consents to and waivers regarding jurisdiction and venue), Section 16.5 of the Credit Agreement (indemnities by Grantors), Section 16.6 of the Credit Agreement (notices), Section 16.7 of the Credit Agreement (survival of certain provisions), Section 16.9 of the Credit Agreement (expenses), Section 16.10 of the Credit Agreement (injunctive relief) and Article XII of the Credit Agreement (certain waivers including waivers of the rights of jury trial) are hereby specifically incorporated by reference. If any part of this Agreement is contrary to, prohibited by, or deemed invalid under Applicable Laws or regulations, such provision shall be inapplicable and deemed omitted to the extent so contrary, prohibited or invalid, but the remainder hereof shall not be invalidated thereby and shall be given effect so far as possible. This Agreement shall be binding upon and inure to the benefit of Grantors and Agent, and their respective successors and assigns, except that no Grantor may assign or transfer any of its rights or obligations under this Agreement without the prior written consent of Agent.

In witness whereof, Grantors have caused this Intellectual Property Security Agreement to be executed and delivered by their duly authorized officer as of the date first set forth above.

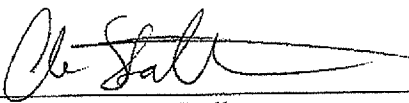
GRANTORS

IROBOT DEFENSE HOLDINGS, INC.

By: 

Christopher N. Stallmann
Secretary and Vice President

ENDEAVOR ROBOTIC INTERMEDIATE HOLDINGS, INC.

By: 

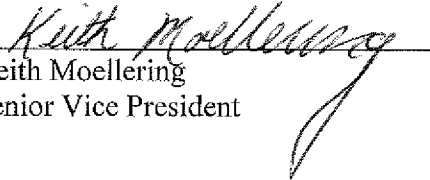
Christopher N. Stallmann
Secretary and Vice President

ACCEPTED AND AGREED
as of the date first above written:

AGENT

PNC BANK, NATIONAL ASSOCIATION

By:

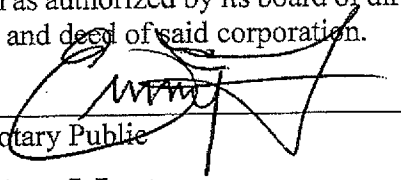


Keith Moellering
Senior Vice President

Acknowledgment of Grantors

STATE OF Maryland
COUNTY OF Montgomery) ss

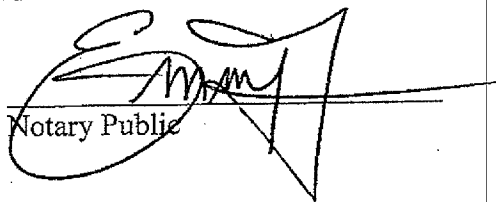
On this 1st day of April, 2016 before me personally appeared Christopher N. Stallmann, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of **IROBOT DEFENSE HOLDINGS, INC.**, who being by me duly sworn did depose and say that he is an authorized officer of said corporation, that the said instrument was signed on behalf of said corporation as authorized by its board of directors and that he acknowledged said instrument to be the free act and deed of said corporation.


Notary Public

Emmy E. Frenz
NOTARY PUBLIC
Montgomery County, Maryland
My Commission Expires 08/21/2016

STATE OF Maryland
COUNTY OF Montgomery) ss

On this 1st day of April, 2016 before me personally appeared Christopher N. Stallmann, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of **ENDEAVOR ROBOTIC INTERMEDIATE HOLDINGS, INC.**, who being by me duly sworn did depose and say that he is an authorized officer of said corporation, that the said instrument was signed on behalf of said corporation as authorized by its board of directors and that he acknowledged said instrument to be the free act and deed of said corporation.


Notary Public

Emmy E. Frenz
NOTARY PUBLIC
Montgomery County, Maryland
My Commission Expires 08/21/2016

Schedule 1
to
Intellectual Property Security Agreement

PATENTS, TRADEMARKS, AND COPYRIGHTS

1. Grantors' copyrights:

- None.

2. Grantors' trademarks:

EXPLORER	US	Registered	Reg. No. 3,747,768
FASTAC	US	Registered	Reg. No. 3824893
FIRSTLOOK	US	Registered	Reg. No. 4,183,719 Class 09
KOBRA	US	Pending	Serial No. 86/169,012 Filed 01/17/2014
NEGOTIATOR	US	Registered	Reg. No. 3,717,521
PACKBOT	US	Registered	Reg. No. 2,865,183
UPOINT	US	Pending	Ser. No. 86/418,229 Class 09 Filed October 8, 2014
WARRIOR	US	Registered	Reg. No. 3,726,780

3. Grantors' patents:

4. Issued Patents						
Country	Patent No.	Issue Date	Title	Applicant / Assignee pursuant to Acquisition Agreement	First named inventor	
US	6,263,989	07/24/01	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won	
US	6,431,296	08/13/02	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won	
US	6,615,885	09/09/03	Wheel Structure-Resilient	iRobot Defense Holdings, Inc.	Timothy R. Ohm	
US	6,668,951	12/30/03	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won	
US	6,769,004	7/27/2004	Method and System for Incremental Stack Scanning	iRobot Defense Holdings, Inc.	Kim A. Barrett	
US	6,860,206	03/01/05	Remote Digital Firing System	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych	
US	7,143,696	12/05/06	Remote Digital Firing System	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych	
US	7,331,436	02/19/08	Communications Spooler for a Mobile Robot	iRobot Defense	Robert Todd Pack	

US	7,546,912	06/16/09	Communications Spooler for a Mobile Robot	iRobot Defense Holdings, Inc.	Robert Todd Pack		
US	7,548,697	06/16/09	Method and Device for Controlling a Remote Vehicle	iRobot Defense Holdings, Inc.	Edison Hudson		
US	7,546,891	06/16/09	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won		
US	7,556,108	07/07/09	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won		
US	7,559,269	07/14/09	Remote Digital Firing System	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych		
US	7,597,162	10/06/09	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won		
US	7,600,593	10/13/09	Robotic Vehicle with Dynamic Range Actuators	iRobot Defense Holdings, Inc.	Mikhail Filippov		
US	7,654,348	02/02/10	Maneuvering Robotic Vehicle Having a Positionable Sensor Head	iRobot Defense Holdings, Inc.	Timothy R. Ohm		
US	7,784,570	08/31/10	Robotic Vehicle	iRobot Defense Holdings, Inc.	Adam P. Couture		
US	7,843,431	11/30/10	Control System for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins		
US	7,878,105	02/01/11	Mitigating Recoil in a Ballistic Robot	iRobot Defense	Grinnell More		

				Holdings, Inc. (originally assigned to Moore Industries)	
US	7,891,446	02/22/11	Robotic Vehicle Deck Adjustment	iRobot Defense Holdings, Inc.	Adam P. Couture
US	7,926,598	04/19/11	Mobile Robotic Vehicle	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US	8,007,221 (Abandoned)	08/30/11	Lifting Apparatus for Remote Controlled Robotic Device	iRobot Defense Holdings, Inc.	Grinnell More
US	8,019,223	09/13/11	Method and Device for Controlling a Remote Vehicle	iRobot Defense Holdings, Inc.	Edison Hudson
US	8,042,663 (Expired)	10/25/11	Communications Spooler for a Mobile Robot	iRobot Defense Holdings, Inc.	Robert Todd Pack
US	8,061,461	11/22/11	Robotic Vehicle Deck Adjustment	iRobot Defense Holdings, Inc.	Adam P. Couture
US	8,074,752	12/13/11	Mobile Robotic Vehicle	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US	8,079,432	12/20/11	Maneuvering Robotic Vehicles Having a Positionable Sensor Head	iRobot Defense Holdings, Inc.	Timothy R. Ohm
US	8,082,836	12/27/11	Mitigating Recoil in a Ballistic Robot	iRobot Defense Holdings, Inc. (originally	Grinnell More

				assigned to Moore Industries)	
US	8,108,092	01/31/12	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins
US	8,109,191	02/07/12	Remote Digital Firing System	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US	8,113,304	02/14/12	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won
US	8,122,982	02/28/12	Mobile Robotic Systems and Methods	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US	8,199,109	06/12/12	Control System for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins
US	8,255,092	08/28/12	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins
US	8,256,542	09/04/12	Robotic Vehicle	iRobot Defense Holdings, Inc.	Adam P. Couture
US	8,281,703	10/09/12	Mitigating Recoil in a Ballistic Robot	iRobot Defense Holdings, Inc. (originally assigned to Moore Industries)	Grimmell More
US	8,292,007	10/23/12	Wheeled Platform	iRobot Defense	Thomas L. DeFazio

US	8,316,971	11/27/12	Robotic Vehicle	Holdings, Inc.		Adam P. Couture	
US	8,322,470	12/04/12	Maneuvering Robotic Vehicles Having a Positionable Sensor Head	iRobot Defense Holdings, Inc.		Timothy R. Ohm	
US	8,326,469	12/04/12	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.		Michael A. Robbins	
US	8,327,960	12/11/12	Robotic Vehicle	iRobot Defense Holdings, Inc.		Adam P. Couture	
US	8,342,271	01/01/13	Robotic Vehicle with Dynamic Range Actuators	iRobot Defense Holdings, Inc.		Mikhail Filippov	
US	8,350,810	01/08/13	Control System for a Remote Vehicle	iRobot Defense Holdings, Inc.		Michael A. Robbins	
US	8,353,373	01/22/13	Mobile Robotic Vehicle	iRobot Defense Holdings, Inc.		Pavlo E. Rudakevych	
US	8,365,848	02/05/13	Robotic Platform	iRobot Defense Holdings, Inc.		Chikyung Won	
US	8,375,838	02/19/13	Remote Digital Firing System	iRobot Defense Holdings, Inc.		Pavlo E. Rudakevych	
US	8,396,611	03/12/13	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.		Michael A. Robbins	
US	8,413,752	04/09/13	Robotic Vehicle	iRobot Defense Holdings, Inc.		Richard Page	

US	D682,362	05/14/13	Remote Controlled Vehicle	iRobot Defense Holdings, Inc.	Annan Michael Mozeika		
US	8,447,440	05/21/13	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins		
US	8,485,330	07/16/13	Communications Spooler for a Mobile Robot	iRobot Defense Holdings, Inc.	Robert Todd Pack		
US	8,527,113	09/03/13	Remote Vehicle	iRobot Defense Holdings, Inc.	Brian Masao Yamauchi		
US	8,528,673	09/10/13	Lifting Apparatus for Remote Controlled Robotic Device	iRobot Defense Holdings, Inc.	Grinnell More		
US	8,573,335	11/05/13	Mobile Robotic Vehicle	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych		
US	8,577,517	11/05/13	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins		
US	8,616,308	12/31/13	Mobile Robot Systems and Methods	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych		
US	8,644,991	02/04/14	Maneuvering Robotic Vehicles	iRobot Defense Holdings, Inc.	Timothy R. Ohm		
US	8,662,215	03/04/14	Maneuvering Robotic Vehicles having a Positionable Sensor Head	iRobot Defense Holdings, Inc.	Timothy R. Ohm		
US	8,682,502	03/28/2008	Remote Vehicle Control System and Method	iRobot Defense	Jacob Curtis Jurnain		

US	8,706,296	04/22/14	Mobile Robot Internal Communication System	iRobot Defense Holdings, Inc.	Wolczech Krajewski		
US	8,760,397	06/24/14	Control System for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins		
US	8,763,732	07/01/14	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won		
US	8,800,695	08/12/14	Robotic Vehicle	iRobot Defense Holdings, Inc.	Adam P. Couture		
US	8,843,244	09/23/14	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins		
US	8,878,734	11/04/14	Antenna Support Structures	iRobot Defense Holdings, Inc.	Eddie Williams		
US	8,884,763	11/11/14	Threat Detection Sensor Suite	iRobot Defense Holdings, Inc.	Edison Hudson		
US	8,875,816	3/14/2013	High Travel Suspension for Small Ground Mobile Robots	iRobot Defense Holdings, Inc.	Erik E. Steltz		
US	9,031,697	05/12/15	Auto-Reach Method for a Remote Vehicle	iRobot Defense Holdings, Inc.	Wesley Hanan Huang		
US	9,045,049	06/02/15	System and Method For In Situ Charging of a Remote Vehicle	iRobot Defense Holdings, Inc.	Daniel David Hershey		
US	7,117,067	10/03/06	System and Methods for Adaptive Control of Robotic	iRobot Defense	James McLurkin		

				Devices	Holdings, Inc.	
US	7,254,464	08/07/07	System and Methods for Adaptive Control of Robotic Devices	iRobot Defense Holdings, Inc.	James McLurkin	
			Collaborative Engagement for Target Identification and Tracking	Aerovironment Inc.; Carnegie-Mellon University; and iRobot Defense Holdings, Inc.	Carol Carlin Cheung	
US	8,244,469	08/14/12				
			System and Methods for Adaptive Control of Robotic Devices	iRobot Defense Holdings, Inc.	James McLurkin	
US	7,844,364	11/30/10				
			System and Methods for Adaptive Control of Robotic Devices	iRobot Defense Holdings, Inc.	James McLurkin	
US	8,290,619	10/16/12				
			Wheeled Platforms	iRobot Defense Holdings, Inc.	Thomas L. DeFazio	
US	7,363,994	04/29/08				
			Wheeled Platforms	iRobot Defense Holdings, Inc.	Thomas L. DeFazio	
US	6,662,889	12/16/03				
			Mobile Robot and Method of Operating Thereof	iRobot Defense Holdings, Inc.	Timothy G. Field	
US	9,146,558	09/29/15				
			Mobile Robotic Vehicle	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych	
US	9,180,920	11/10/2015				
			Maneuvering Robotic Vehicles	iRobot	Timothy R. Ohm	
US	9,193,066	11/24/201				

		5	Having a Positionable Sensor Head	Defense Holdings, Inc.	
US	9,195,256 (App. No. 14/278,515)	11/24/2015	Control System for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins
US	9,216,510 (App. No. 14/172,546)	12/22/2015	Remote Vehicle Control System	iRobot Defense Holdings, Inc.	Jacob Curtis Jurnain
US	9,216,781	12/22/2015	Maneuvering Robotic Vehicles	iRobot Defense Holdings, Inc.	Timothy R. Ohm
US	8,954,194	02/10/2015	Remote Vehicle Control System and Method	iRobot Defense Holdings, Inc.	Daniel Allis

Patent Applications

Country	App. No.	Filing Date	Title	Applicant	Inventor
US	61/334,167	05/12/2010	Remote Vehicle Control System and Method	iRobot Defense Holdings, Inc.	Robert Todd Pack
US	14/587,396	12/31/2014	Remote Vehicle Control System and Method	iRobot Defense Holdings, Inc.	Robert Todd Pack
US	14/507,653	10/6/2014	Remotely Operating a Mobile Robot	iRobot Defense Holdings, Inc.	Orin P.F. Hoffman
US- expired	60/079,701	03/27/98	Small Rugged Robotic Platform	iRobot Defense Holdings, Inc.	CHIK YUNG WON
US- expired	60/096,141	08/11/98	Robotic Platform	iRobot Defense Holdings, Inc.	CHIK YUNG WON

US	11/834,290	08/06/07	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won
US	12/347,406	12/31/08	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won
US	13/340,957	12/30/11	Resilient Wheel Assemblies	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US	13/342,022	12/31/11	Small Unmanned Ground Vehicle	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US	14/043,390	10/01/13	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins
US	14/280,123	05/16/14	Robotic Vehicle	iRobot Defense Holdings, Inc.	Adam P. Couture
US	14/682,428	04/09/15	Auto-Reach Method and System for a Remote Vehicle	iRobot Defense Holdings, Inc.	Wesley Hanan Huang
US	13/657,316	10/22/12	Wheeled Platforms	iRobot Defense Holdings, Inc.	Thomas L. DeFazio
US	13/009,833	01/19/11	Weight Shifting System for Remote Vehicle	iRobot Defense Holdings, Inc.	Brian Masao Yamauchi
US	14/861,263	9/22/2015	Mobile Robotic Vehicle	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US – abandon ed	13/423,538	3/19/2012	Robotic Platform	iRobot Defense Holdings, Inc.	Chikyung Won

US- expired	60/340,175	12/14/01	Firing Circuit	iRobot Defense Holdings, Inc.	Pavlo Rudakevych
US - abandoned	13/366,853	2/6/2012	Remote Digital Firing System	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US- expired	60/878,877	1/5/2007	Robotic Vehicle with Dynamic Range Actuator	iRobot Defense Holdings, Inc.	Mikhail Filippov
US- expired	60/908,782	3/29/2007	Robotic Vehicle with Dynamic Range Actuator	iRobot Defense Holdings, Inc.	Mikhail Filippov
US- expired	60/908,932	03/29/07	Robot Operator Control Unit Configuration System and Method	iRobot Defense Holdings, Inc.	Josef Jamieson
PCT- expired	PCT/US20 08/058645	03/28/08	Robot Operator Control Unit Configuration System and Method	iRobot Defense Holdings, Inc.	Josef Jamieson
US- expired	60/942,598	06/07/07	Capable Large Skid Steered Robot	iRobot Defense Holdings, Inc.	Adam P. Couture
US- expired	60/954,227	08/06/07	Robotic Vehicle with Dual Flipper Configuration	iRobot Defense Holdings, Inc.	Adam P. Couture
US- expired	60/883,731	1/5/2007	Maneuvering Robotic Vehicles Having A Positionable Sensor Head	iRobot Defense Holdings, Inc.	Timothy R. Ohm

US- expired	60/909,630	4/2/2007	Recoil Mitigation Device and Method	iRobot Defense Holdings, Inc. (originally assigned to Moore Industries)	Grinnell More
US- expired	60/828,606	10/6/2006	Robotic Vehicle	iRobot Defense Holdings, Inc.	Adam P. Couture
US- expired	60/621,509	10/22/2004	Lifting Apparatus for Remote Controlled Robotic Device	iRobot Defense Holdings, Inc.	Grinnell More
US – abandon ed	12/023,561	1/31/2008	Wheeled Platforms	iRobot Defense Holdings, Inc.	Thomas L. DeFazio
US- expired	60/194,922	4/4/2000	Wheeled Platforms	iRobot Defense Holdings, Inc.	Thomas L. DeFazio
US- expired	60/828,611	10/6/2006	Maneuvering Robotic Vehicles	iRobot Defense Holdings, Inc.	Timothy R. Ohm
US- expired	61/305,069	2/16/2010	Mobile Robot Internal Communication System	iRobot Defense Holdings, Inc.	Wolclech Krajewski
US- expired	60/747183	5/12/2006	Method and Device for Controlling a Remote Vehicle	iRobot Defense Holdings, Inc.	Edison Hudson
US- expired	60/911,785	04/13/07	Sliding Autonomous Assist for Robotic Platforms	iRobot Defense Holdings, Inc.	Emilie Phillips

US- expired	60/828,632	10/06/06	Robot Autonomous Behaviors	iRobot Defense Holdings, Inc.	Emilie Phillips
US - abandon ed	14/457,725	4/24/2007	Autonomous Behaviors for a Remote Vehicle	iRobot Defense Holdings, Inc.	Michael A. Robbins
US- expired	61/432,512	1/13/2011	Antenna Support Structures	iRobot Defense Holdings, Inc.	Eddie Williams
US- expired	61/475944	4/15/2011	Auto-Reach Method and System for a Remote Vehicle	iRobot Defense Holdings, Inc.	Wesley Hanan Huang
US- expired	61/528,260	8/28/2011	System and Method for in Situ Charging of a Remote Vehicle	iRobot Defense Holdings, Inc.	Daniel Hershey
US- expired	60/571767	5/17/2004	System and Method for Dispersion of Autonomous Robots	iRobot Defense Holdings, Inc.	James McLurkin
US - abandon ed	13/546787	7/11/2012	Collaborative Engagement for Target Identification and Tracking	Aerovironment Inc ; Carnegie- Mellon University; and iRobot Defense Holdings, Inc	Carol Carlin Cheung

US- expired	61/036988	3/16/2008	Collaborative Engagement for Target Identification and Tracking	Aerovironment Inc.; Carnegie- Mellon University; and iRobot Defense Holdings, Inc	Carol Carlin Cheung
US- abandon ed	11/867,815	10/05/07	Robotic Vehicle	iRobot Defense Holdings, Inc.	Adam P. Couture
US- expired	61/924,433	1/7/2014	Remotely Operating a Mobile Robot	iRobot Defense Holdings, Inc.	Orin P.F. Hoffman
US - abandon ed	12/058,113	3/28/2008	ROBOT OPERATOR CONTROL UNIT CONFIGURATION SYSTEM AND METHOD	iRobot Defense Holdings, Inc.	Josef Jamieson
US - abandon ed	12/358,204	1/22/2009	ROBOT OPERATOR CONTROL UNIT CONFIGURATION SYSTEM AND METHOD	iRobot Defense Holdings, Inc.	Josef Jamieson
US- expired	61/417,964	11/30/2010	Mobile Robot and Method of Operating Thereof	iRobot Defense Holdings, Inc.	Timothy G. Field
US	14/830,429	12/10/15	Mobile Robot and Method of Operating Thereof	iRobot Defense Holdings, Inc.	Timothy G. Field
US- expired	61/436,994	1/27/2011	Resilient Wheel Assemblies	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych

US- expired	61/442,790	2/14/2011	Small Unmanned Ground Vehicle	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US- expired	61/454,038	3/18/2011	Multiplexing of Data	iRobot Defense Holdings, Inc.	Pavlo E. Rudakevych
US- expired	61/232,051	8/7/2009	Remote Vehicle	iRobot Defense Holdings, Inc.	Brian Masao Yamauchi
US- expired	61/613,304	3/20/2012	High Travel Suspension for Small Ground Mobile Robots	iRobot Defense Holdings, Inc.	Erik E. Steltz
US- expired	61/620,832	4/5/2012	Mobile Robot System	iRobot Defense Holdings, Inc.	Marshall Grinstead
US- expired	60/244,280	10/31/00	Priority application for U.S. 6,615,885 (Resilient Wheel Structure)	iRobot Defense Holdings, Inc.	Timothy R. Ohm
US- expired	60/373,017	4/16/2002	System and Method for Navigation of heterogeneous robot teams	iRobot Defense Holdings, Inc.	Brian Yamauchi
US- expired	60/417,836	10/11/2000	Robot Beacon Module	iRobot Defense Holdings, Inc.	Benjamin Wirz
US- expired	60/532,352	12/24/2000	Communication Spooler for a Robot	iRobot Defense Holdings, Inc.	Robert Todd Pack
US- expired	60/457,563	3/26/2003	Communications Spooler for a Mobile Robot	iRobot Defense Holdings, Inc.	Robert Todd Pack
US- expired	60/827,733	10/2/2006	Soldier Unmanned Vehicle	iRobot Defense Holdings, Inc.	Edison HUDSON

US- expired	60/597,711	8/24/2007	Robot Sensor System	iRobot Defense Holdings, Inc.	Scott Lenser
US	14/872,783	10/1/2015	Maneuvering Robotic Vehicles Having a	iRobot Defense Holdings, Inc.	Timothy R. Ohm
US- expired	60/908,667	3/28/2007	Interface for Robot and Robot	iRobot Defense Holdings, Inc.	Jacob C. Jurmain
US- expired	60/908,715	3/29/2007	Interface for Robot and Robot	iRobot Defense Holdings, Inc.	Jacob C. Jurmain
US- expired	60/960,446	9/28/2007	Remote Vehicle Control System and Method	iRobot Defense Holdings, Inc.	Wesley H. Huang
US - Expired	62/096,218	12/23/2014	Auto-Reach Method and System for a Remote Vehicle	iRobot Defense Holdings, Inc.	Andrew Shein
US - Expired	12/696,795	01/29/2010	Robotic Vehicle	iRobot Defense Holdings, Inc.	Andrew Shein

EXHIBIT A

SUPPLEMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS SUPPLEMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT (the "Supplement") made as of this [●] day of [●], by **IROBOT DEFENSE HOLDINGS, INC.**, a corporation organized under the laws of the State of Delaware ("iRobot"), **ENDEAVOR ROBOTIC INTERMEDIATE HOLDINGS, INC.**, a corporation organized under the laws of the State of Delaware ("Holdings" and, together with iRobot, collectively, the "Grantors", and each a "Grantor"), in favor of **PNC BANK, NATIONAL ASSOCIATION** ("Agent").

WITNESSETH

WHEREAS, Grantors and Agent are parties to that certain Intellectual Property Security Agreement dated as of April 4, 2016 (as the same heretofore may have been and hereafter may be amended, restated, supplemented or otherwise modified from time to time, the "IP Agreement"). Capitalized terms used herein but not otherwise defined herein shall have the meanings given thereto in the IP Agreement;

WHEREAS, pursuant to the terms of the IP Agreement, to secure the prompt payment and performance of all Obligations to each Secured Party, each Grantor has granted to Agent, for its benefit and for the ratable benefit of each other Secured Party, a continuing security interest in and to and Lien on all of such Grantors' right, title and interest in, to and under the Intellectual Property Collateral of such Grantor, all whether now owned or hereafter created, arising and/or acquired; and

WHEREAS, also pursuant to the IP Agreement, Grantors have agreed that upon the acquisition by Grantors of any new Registered Intellectual Property, Grantors shall deliver to Agent a Supplement to the IP Agreement in the form of Exhibit A to such IP Agreement pursuant to which Grantors shall reconfirm the grant by them of a security interest in all such newly acquired Registered Intellectual Property, which such Supplement is intended by the parties to be filed with the United States Patent and Trademark Office and/or United States Copyright Office, as applicable.

NOW, THEREFORE, in consideration of the premises set forth herein and for other good and valuable consideration, receipt and sufficiency of which are hereby acknowledged by each party hereto, and intending to be legally bound, and with the foregoing background and recitals incorporated by reference, Grantors agree as follows:

1. Grant and Reaffirmation of Grant of Security Interests. Without limiting any other grant of Lien by Grantors in any Collateral under the Credit Agreement or any Other Document, to secure the prompt payment and performance of all Obligations to each Secured Party, each Grantor hereby grants to Agent, for its benefit and for the ratable benefit of each other Secured Party, a continuing security interest in and to and Lien on all of such Grantor's right, title and interest in, to and under the following Collateral of such Grantor, all whether now owned or hereafter created, arising and/or acquired:

(a) the newly acquired Registered Intellectual Property listed on Schedule 1 to this Supplement (together with all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the foregoing);

(b) all goodwill of the business connected with the use of, and symbolized by, any trademark and trademark application covered by (a) above; and

(c) all other property otherwise constituting Intellectual Property Collateral relating to the foregoing.

Grantors agree that all such newly acquired Intellectual Property Collateral described above shall be included in and be part of the Intellectual Property Collateral under and subject to all of the terms and provisions of the IP Agreement. Grantors hereby authorize Agent to file and record a copy of this Supplement with the United States Patent and Trademark Office and/or United States Copyright Office, as applicable

2. Representations and Warranties. Grantors hereby represent and warrant to Agent and to the Lenders that Schedule I hereto sets forth a full, complete and correct list of all Registered Intellectual Property Collateral owned by Grantor as of the date hereof not listed on Schedule 1 to the original IP Agreement or any Schedule to any other Supplement to the original IP Agreement delivered by Grantors since the date thereof.

3. Incorporation of the IP Agreement. The terms and provisions of the IP Agreement are hereby incorporated by reference and this Supplement shall be considered an amendment and supplement to and part of the IP Agreement, all of the provisions of which IP Agreement are and remain in full force and effect.

[Signatures on Following Page]

IN WITNESS WHEREOF, Grantors have duly executed this Supplement to the IP Security Agreement as of the date first written above.

GRANTORS:

IROBOT DEFENSE HOLDINGS, INC.

By: _____

Name:

Title:

**ENDEAVOR ROBOTIC INTERMEDIATE
HOLDINGS, INC.**

By: _____

Name:

Title:

ACCEPTED AND AGREED
as of the date first above written:

AGENT:

PNC BANK, NATIONAL ASSOCIATION

By: _____
Name: _____
Title: _____

[Signature Page to IP Security Agreement – Supplement Date _____]

SCHEDULE I TO SUPPLEMENT TO TRADEMARK SECURITY AGREEMENT
DATED [●], 20[●]