

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5102225

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
HSBC BANK CANADA	08/13/2018
RECEIVING PARTY DATA	
Name:	AVIGILON PATENT HOLDING 2 CORPORATION
Street Address:	555 ROBSON STREET
Internal Address:	3RD FLOOR
City:	VANCOUVER
State/Country:	CANADA
Postal Code:	V6B 1A6
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14095997
Application Number:	12125536
CORRESPONDENCE DATA	
Fax Number:	(214)978-3099
<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:	(214) 978-3000
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Correspondent Name:	BAKER & MCKENZIE LLP PATENT DEPARTMENT
Address Line 1:	1900 NORTH PEARL STREET
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ATTORNEY DOCKET NUMBER:	10000101-50393187
NAME OF SUBMITTER:	JOHN SHERIDAN
SIGNATURE:	/John Sheridan/
DATE SIGNED:	08/21/2018
Total Attachments: 71	
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INTELLECTUAL PROPERTY SECURITY RELEASE

By HSBC Bank Canada (the “Agent”), to Avigilon Corporation, AVO USA Holding 2 Corporation, RedCloud Security, Inc., Avigilon Fortress Corporation, Avigilon Patent Holding 1 Corporation (b/k/a 9051147 Canada Inc.), and Avigilon Patent Holding 2 Corporation (each a “Grantor” and collectively the “Grantors”):

WITNESSETH

WHEREAS each of the Grantors has granted to the Agent, for the benefit of the Lenders and Secured Creditors (as defined in the Credit Agreement and General Security Agreement identified below), security interests in certain Patent Collateral (as herein defined) and Trademark Collateral (as herein defined) (collectively, the Patent Collateral and Trademark Collateral are the “Intellectual Property”) under that General Security Agreement dated April 7, 2015, and individual pledge and security agreements dated April 7, 2015 and December 9, 2015, between the Grantors and the Agent (the “Security Agreements”) pursuant to that certain Credit Agreement dated April 7, 2015;

WHEREAS “Patent Collateral” means (a) all inventions and discoveries, whether patentable or not, all letters patent and applications for letters patent throughout the world, including without limitation those patents referred to in the Schedules hereto, and any patent applications in preparation for filing, (b) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and re-examinations of any of the items described in clause (a), (c) all patent licenses, and other agreements providing the Grantors with the right to use any items of the type referred to in clauses (a) and (b) above, and (d) all proceeds of, and rights associated with, the foregoing (including licenses, royalties income, payments, claims, damages and proceeds of infringement suits), the right to sue third parties for past, present or future infringements of any patent or patent application, and for breach or enforcement of any patent license;

WHEREAS “Trademark Collateral” means (a) (i) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, certification marks, collective marks, logos and other source or business identifiers, and all goodwill of the business associated therewith, existing or hereafter adopted or acquired, including without limitation those trademarks more particularly set forth on the Schedules hereto, whether currently in use or not, all registrations and recordings thereof and all applications in connection therewith, whether pending or in preparation for filing, including registrations, recordings and applications in the Canadian Intellectual Property Office and the United States Patent and Trademark Office, or in any office or agency of Canada, the U.S., or any Province or State thereof or of any other country or otherwise, and all common-law rights relating to the foregoing, and (ii) the right to obtain all reissues, extensions or renewals of the foregoing (collectively referred to as the “Trademarks”), (b) all trademark licenses for the grant by or to any Grantor of any right to use any trademark, (c) all of the goodwill of the business connected with the use of, and symbolized by the items described in, clause (a), and to the extent applicable clause (b), (d) the right to sue third parties for past, present and future infringements of any Trademark Collateral described in clause (a) and, to the extent applicable, clause (b), and (e) all proceeds of, and rights associated with, the foregoing, including any claim by any Grantor against third parties for past, present or future infringement or dilution of any Trademark, Trademark registration or Trademark license, or for any injury to the goodwill associated with the use of any such Trademark or for breach or enforcement of any Trademark license and all rights corresponding thereto throughout the world; and

WHEREAS, the Grantors’ obligations under the Credit Agreement have been fulfilled and the requirements under the Security Agreements for release of the security interest granted in the Intellectual Property have been met, and the Agent wishes to release all security interests, and restore the Grantors all

unencumbered rights, title and interest, in and to the Intellectual Property for the benefits of the Grantors and to dissolve any and all liens and encumbrances respecting the Intellectual Property, including the Intellectual Property listed on the attached Schedules hereto.

NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged:

1. The Agent hereby releases, discharges, quit claims, and relinquishes for the benefits of the Grantors any and all security interests, liens, encumbrances, rights, title, and interest in and to the Intellectual Property, including the security interest in the Intellectual Property as set forth on the Schedules hereto for and on behalf of itself and, on their behalf and as their agent, all Lenders and Secured Creditors.

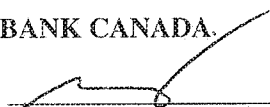
2. The Agent represents and warrants that none of the security interests, liens, and encumbrances granted to the Agent and the Lenders and Secured Creditors have been assigned or transferred, that the Agent is authorized to make this Intellectual Property Security Release on behalf of the Lenders and Secured Creditors as their authorized agent, and that this Intellectual Property Security Release is binding on and valid as to all Lenders and Secured Creditors.

IN WITNESS WHEREOF, the undersigned, by and through its authorized signatories, has caused this instrument to be executed this day:

DATE: August 13/18.

HSBC BANK CANADA.

by


Name: Reid Hamilton
Title: Assistant Vice President
Corporate Banking
(I have the authority to bind the company.)

Schedule "A"

Patents

[See attached.]

Application Number	Application Date	Patent No.	Issue Date	Title	Country	Owner
CA116451F	2006-07-05	116451	2017-07-17	SURVEILLANCE CAMERA	Canada	Avigilon Corporation
CA150290F	2013-03-15	150290	2014-02-26	BULLET CAMERA	Canada	Avigilon Corporation
CA153514F	2013-10-17	153514	2015-01-05	MINIATURE DOME CAMERA	Canada	Avigilon Corporation
CA154459F	2013-12-13	154459	2014-0-22	CAMERA HOUSING	Canada	Avigilon Corporation
CA154615F	2014-01-10	154615	2015-02-11	CORNER MOUNTING BRACKET	Canada	Avigilon Corporation
CA154616F	2014-01-10	154616	2015-02-11	CORNER MOUNTING BRACKET	Canada	Avigilon Corporation

CA154617F	2014-01-10	154617	2015-02-11	CORNER MOUNTING BRACKET	Canada	Avigilon Corporation
CA154618F	2014-01-10	154618	2015-02-11	POLE MOUNTING BRACKET	Canada	Avigilon Corporation
CA154619F	2014-01-10	154619	2015-02-11	POLE MOUNTING BRACKET	Canada	Avigilon Corporation
CA154620F	2014-01-10	154620	2015-02-11	POLE MOUNTING BRACKET	Canada	Avigilon Corporation
CA154621F	2014-01-10	154621	2015-02-27	JUNCTION BOX	Canada	Avigilon Corporation
CA155113F	2013-03-15	155113	2014-02-26	BULLET CAMERA	Canada	Avigilon Corporation

CA156257F	2014-04-17	156257	2015-01-05	SPHERICAL SECURITY CAMERA	Canada	Avigilon Corporation
CA156258F	2014-04-17	156258	2015-01-05	SECURITY CAMERA PROCESSOR	Canada	Avigilon Corporation
CA156259F	2014-04-17	156259	2015-01-05	ENCLOSURE FOR A SPHERICAL CAMERA	Canada	Avigilon Corporation
CA156369F	2014-04-25	156369	2015-04-06	COMBINED TRIM RING AND DOME	Canada	Avigilon Corporation
CA156370F	2014-04-25	156370	2015-04-06	GIMBAL	Canada	Avigilon Corporation
CA156371F	2014-04-25	156371	2015-04-06	GIMBAL SHROUD	Canada	Avigilon Corporation

CA157768F	2013-10-17	157768	2015-01-05	MINIATURE DOME CAMERA	Canada	Avigilon Corporation
CA158864F	2014-09-22	158864	2015-04-27	PENDANT ENCLOSURE FOR SPHERICAL CAMERA	Canada	Avigilon Corporation
CA164730F	2015-10-06	164730	2016-04-29	VIDEO APPLIANCE	Canada	Avigilon Corporation
CA166786F	2015-10-06	166786	2016-04-29	VIDEO APPLIANCE	Canada	Avigilon Corporation
CA167556F	2016-03-16	167556	2016-12-19	JUNCTION BOX	Canada	Avigilon Corporation
CA167557F	2016-03-16	167557	2016-12-19	ENCLOSURE FOR A CAMERA	Canada	Avigilon Corporation

CA167558F	2016-03-16	167558	2016-12-19	WALL-MOUNTED PENDANT ENCLOSURE FOR SPHERICAL CAMERA	Canada	Avigilon Corporation
CA167559F	2016-03-16	167559	2016-12-19	TOP-MOUNTED PENDANT ENCLOSURE FOR SPHERICAL CAMERA	Canada	Avigilon Corporation
CA167560F	2016-03-16	167560	2016-12-19	BOX ENCLOSURE FOR A CAMERA	Canada	Avigilon Corporation
CA167561F	2016-03-16	167561	2016-12-19	SHADE FOR A CAMERA	Canada	Avigilon Corporation
CA170749F	2016-03-16	170749	2016-12-19	TOP-MOUNTED PENDANT ENCLOSURE FOR SPHERICAL CAMERA	Canada	Avigilon Corporation
CA170754F	2016-03-16	170754	2016-12-19	WALL-MOUNTED PENDANT ENCLOSURE FOR SPHERICAL CAMERA	Canada	Avigilon Corporation

CA2545535A	2004-11-12	2545535	2016-01-26	VIDEO TRIPWIRE	Canada	Avigilon Fortress Corporation
CA2826723A	2013-09-10	2826723	2015-03-10	METHOD AND APPARATUS FOR CONTROLLING SURVEILLANCE SYSTEM WITH GESTURE AND/OR AUDIO COMMANDS	Canada	Avigilon Corporation
CA2835906A	2013-12-05			ADJUSTABLE SHROUD FOR SURVEILLANCE CAMERA	Canada	Avigilon Corporation
CA2837578A	2013-12-13			CAMERA SYSTEM CONTROL FOR CORRECTING BORE-SIGHT OFFSET	Canada	Avigilon Corporation
CA2839330A	2014-01-14	2839330	2015-09-06	ARTICULATING CAMERA ARM AND CAMERA ASSEMBLY COMPRISING SAME	Canada	Avigilon Corporation
CA2847931A	2014-03-31			SECURITY CAMERA WITH ADJUSTABLE LENS AIMING MECHANISM	Canada	Avigilon Corporation

CA2871465A	2013-01-28	2871465	2015-03-31	METHOD AND APPARATUS FOR GENERATING AN INFRARED ILLUMINATION BEAM WITH A VARIABLE ILLUMINATION PATTERN	Canada	Avigilon Corporation
CA2883662A	2013-09-06			PHYSICAL SECURITY SYSTEM HAVING MULTIPLE SERVER NODES	Canada	Avigilon Corporation
CA2884383A	2013-09-12			METHODS, DEVICES AND SYSTEMS FOR DETECTING OBJECTS IN A VIDEO	Canada	Avigilon Corporation
CA2896817A	2013-01-28			SECURITY CAMERA HAVING DUAL COMMUNICATION PORTS	Canada	Avigilon Corporation
CA2896825A	2013-01-28			IMAGING APPARATUS WITH SCENE ADAPTIVE AUTO EXPOSURE COMPENSATION	Canada	Avigilon Corporation
CA2908734A	2014-03-13			SELF-PROVISIONING ACCESS CONTROL	Canada	Avigilon Analytics Corporation

CA2910258A	2013-04-30	2910258	2016-06-14	SECURITY CAMERA HAVING A CABLE ASSEMBLY WITH AN INTEGRATED PROCESSING MODULE	Canada	Avigilon Corporation
CA2913972A	2013-06-10	2913972	2016-04-26	SPRING-LOADED CEILING MOUNT FOR A SECURITY CAMERA	Canada	Avigilon Corporation
CA2674311A	2008-02-08	2674311	2015-12-29	Behavioral Recognition System	Canada	9051147 Canada Inc., now Avigilon Patent Holding 1 Corp
CA2917179A	2013-06-10	2917179	2016-04-26	SPRING-LOADED CEILING MOUNT FOR A SECURITY CAMERA	Canada	Avigilon Corporation
CA2929999A	2013-11-29			CAMERA SUPPORTING REMOVABLE STORAGE DIVIDED INTO MULTIPLE PARTITIONS	Canada	Avigilon Corporation
CA2934514A	2014-12-19			SYSTEM AND METHOD FOR IDENTIFYING FACES IN UNCONSTRAINED MEDIA	Canada	Avigilon Fortress Corporation

Application Number	Application Date	Patent No.	Issue Date	Title	Country	Owner
US13082686A	2011-04-08	US9277185B2	2016-03-01	Intelligent video verification of point of sale (POS) transactions	United States	Avigilon Fortress Corporation
US13327626A	2011-12-15	US8937559B2	2015-01-20	Vehicle identification, tracking and enforcement system	United States	Avigilon Patent Holding 1 Corporation
US13543668A	2012-07-06	US8655020B2	2014-02-18	Method of tracking an object captured by a camera system	United States	Avigilon Analytics Corporation
US13607447A	2012-09-07			DISTRIBUTED PHYSICAL SECURITY SYSTEM	United States	Avigilon Corporation
US13673178A	2012-11-09	US9591267B2	2017-03-07	Video imagery-based sensor	United States	Avigilon Fortress Corporation
US13673178A	2012-11-09			VIDEO IMAGERY-BASED SENSOR	United States	Avigilon Fortress Corporation

US13679854A	2012-11-16	US9734462B2	2017-08-15	Method of processing a transaction for a parking session	United States	Avigilon Patent Holding 1 Corporation
US13684025A	2012-11-21	US9602738B2	2017-03-21	Automatic event detection, text generation, and use thereof	United States	Avigilon Fortress Corporation
US13713674A	2012-12-13	US9219889B2	2015-12-22	Multichannel video content analysis system using video multiplexing	United States	Avigilon Fortress Corporation
US13744251A	2013-01-17	US9740937B2	2017-08-22	System and method for monitoring a retail environment using video content analysis with depth sensing	United States	Avigilon Fortress Corporation
US13744254A	2013-01-17	US9247211B2	2016-01-26	System and method for video content analysis using depth sensing	United States	Avigilon Fortress Corporation
US13744264A	2013-01-17	US9530060B2	2016-12-27	System and method for building automation using video content	United States	Avigilon Fortress Corporation

US13744266A	2013-01-17		2013-01-17	US9338409B2	2016-05-10	analysis with depth sensing	United States	Avigilon Fortress Corporation
US13744266A	2013-01-17		2013-01-17	US9185354B2	2015-11-10	System and method for home health care monitoring	United States	Avigilon Fortress Corporation
US13752264A	2013-01-28		2013-01-28	US9098108B2	2015-08-04	Security camera having dual communication ports	United States	Avigilon Corporation
US13752291A	2013-01-28		2013-01-28	US8946636B2	2015-02-03	Method and apparatus for generating an infrared illumination beam with a variable illumination pattern	United States	Avigilon Fortress Corporation
US13752297A	2013-01-28		2013-01-28	US9536292B2	2017-01-03	Imaging apparatus with scene adaptive auto exposure compensation	United States	Avigilon Corporation

US13804280A	2013-03-14	US9195883B2	2015-11-24	Object tracking and best shot detection system	United States	Avigilon Fortress Corporation
US13838511A	2013-03-15	US9165190B2	2015-10-20	3D human pose and shape modeling	United States	Avigilon Fortress Corporation
US13838665A	2013-03-15	US9204107B2	2015-12-01	View handling in video surveillance systems	United States	Avigilon Fortress Corporation
US1385543A	2013-04-02	US9509719B2	2016-11-29	Self-provisioning access control	United States	Avigilon Analytics Corporation
US13874279A	2013-04-30	US9167137B2	2015-10-20	Security camera having a cable assembly with an integrated processing module	United States	Avigilon Corporation
US13886420A	2013-05-03	US9020261B2	2015-04-28	Video segmentation using statistical pixel modeling	United States	Avigilon Fortress Corporation

US13914447A	2013-06-10	US9116418B2	2015-08-25	Spring-loaded ceiling mount for a security camera	United States	Avigilon Corporation
US14005240A	2013-09-13	US9602582B2	2017-03-21	Physical security system having multiple server nodes	United States	Avigilon Corporation
US14022947A	2013-09-10	US9766855B2	2017-09-19	Method and apparatus for controlling surveillance system with gesture and/or audio commands	United States	Avigilon Corporation
US14093367A	2013-11-29			CAMERA SUPPORTING REMOVABLE STORAGE DIVIDED INTO MULTIPLE PARTITIONS	United States	Avigilon Corporation
US14095997A	2013-12-03	US9325951B2	2016-04-26	Content-aware computer networking devices with video analytics for reducing video storage and video communication bandwidth requirements of a video surveillance	United States	Avigilon Patent Holding 2 Corporation

US14098354A	2013-12-05	US9004785B1	2015-04-14	network camera system	United States	Avigilon Corporation
US14106538A	2013-12-13	US9420187B2	2016-08-16	Adjustable shroud for surveillance camera	United States	Avigilon Corporation
US14155197A	2014-01-14	US8998512B1	2015-04-07	Camera system control for correcting bore-sight offset	United States	Avigilon Corporation
US14183154A	2014-02-18	US9076042B2	2015-07-07	Articulating camera arm and camera assembly comprising same	United States	Avigilon Corporation
US14183201A	2014-02-18	US9317753B2	2016-04-19	Method of generating index elements of objects in images captured by a camera system	United States	Avigilon Analytics Corporation
				Method of searching data to identify images of an object captured by a camera system	United States	Avigilon Analytics Corporation

US14183201A	2014-02-18				METHOD OF SEARCHING DATA TO IDENTIFY IMAGES OF AN OBJECT CAPTURED BY A CAMERA SYSTEM	United States	Avigilon Analytics Corporation
US14203065A	2014-03-10	US9378632B2	2016-06-28		Video surveillance system employing video primitives	United States	Avigilon Fortress Corporation
US14231277A	2014-03-31	US9674450B2	2017-06-06		Security camera with adjustable lens aiming mechanism	United States	Avigilon Corporation
US14335707A	2014-07-18	US9412178B2	2016-08-09		Method, system and apparatus for image capture, analysis and transmission	United States	Avigilon Corporation
US14434729A	2015-04-09				Camera housing for reducing internal reflections and camera comprising same	United States	Avigilon Corporation
US14500108A	2014-09-29	US9210336B2	2015-12-08		Automatic extraction of secondary video streams	United States	Avigilon Fortress Corporation

US14511113A	2014-10-09	US917285581	2015-10-27	Pendant housing for a camera	United States	Avigilon Corporation
US14562552A	2014-12-05			CASCADING VIDEO OBJECT CLASSIFICATION	United States	Avigilon Analytics Corporation
US14562572A	2014-12-05	US969742582	2017-07-04	Video object classification with object size calibration	United States	Avigilon Analytics Corporation
US14568070A	2014-12-11			STREAMING MULTIPLE ENCODINGS WITH VIRTUAL STREAM IDENTIFIERS	United States	Avigilon Corporation
US14568077A	2014-12-11	US9489387B2	2016-11-08	Storage management of data streamed from a video source device	United States	Avigilon Corporation
US14568081A	2014-12-11			STREAMING MULTIPLE ENCODINGS ENCODED USING DIFFERENT ENCODING PARAMETERS	United States	Avigilon Corporation

US14576818A	2014-12-19	US9449432B2	2016-09-20	System and method for identifying faces in unconstrained media	United States	Avigilon Fortress Corporation
15262995	2016-09-12			System and method for identifying faces in unconstrained media	United States	90511457 Canada Inc.
US14594867A	2015-01-12	US9342978B2	2016-05-17	Method and system for configurable security and surveillance systems	United States	Avigilon Patent Holding 1 Corporation
US14610582A	2015-01-30	US9792503B2	2017-10-17	Stationary target detection by exploiting changes in background model	United States	Avigilon Fortress Corporation
US14610582A	2015-01-30			STATIONARY TARGET DETECTION BY EXPLOITING CHANGES IN BACKGROUND MODEL	United States	Avigilon Fortress Corporation
US14634552A	2015-02-27	US9250500B2	2016-02-02	Articulating camera arm and camera assembly comprising same	United States	Avigilon Corporation

US14634838A	2015-03-01	US9443143B2	2016-09-13	Methods, devices and systems for detecting objects in a video	United States	Avigilon Fortress Corporation
US14696208A	2015-04-24	US9451133B2	2016-09-20	Spring-loaded mounting housing for a camera	United States	Avigilon Corporation
US14696939A	2015-04-27			INTELLIGENT VIDEO NETWORK PROTOCOL	United States	Avigilon Fortress Corporation
US14703633A	2015-05-04			SYSTEM AND METHOD FOR REAL-TIME OVERLAY OF MAP FEATURES ONTO A VIDEO FEED	United States	Avigilon Fortress Corporation
US14736644A	2015-06-11	US9710712B2	2017-07-18	System and method for detecting, tracking, and classifying objects	United States	Avigilon Fortress Corporation
US14761274A	2015-07-15			METHOD AND APPARATUS FOR GENERATING AN INFRARED ILLUMINATION BEAM WITH A VARIABLE ILLUMINATION	United States	Avigilon Corporation

US14805392A	2015-07-21	US9659598B2	2017-05-23	Timeline synchronization control method for multiple display views	United States	Avigilon Corporation
US14865421A	2015-09-25	US9503621B2	2016-11-22	Pendant housing for a camera	United States	Avigilon Corporation
US14866379A	2015-09-25			METHOD AND SYSTEM FOR ADJUSTING CAMERA FOCUS TO FACILITATE INFRARED IMAGING	United States	Avigilon Corporation
US14882179A	2015-10-13	US9697615B2	2017-07-04	Movement indication	United States	Avigilon Corporation
US14882218A	2015-10-13			ADAPTIVE VIDEO STREAMING	United States	Avigilon Corporation

US1488227A	2015-10-13	US9697616B2	2017-07-04	Image data generation and analysis for network transmission	United States	Avigilon Corporation
US14884587A	2015-10-15			DISTRIBUTED SECURITY SYSTEM OVER MULTIPLE SITES	United States	Avigilon Corporation
US14884778A	2015-10-16			OBJECT TRACKING AND BEST SHOT DETECTION SYSTEM	United States	Avigilon Fortress Corporation
US14885209A	2015-10-16	US9449510B2	2016-09-20	Selective object detection	United States	Avigilon Analytics Corporation
US14885459A	2015-10-16	US9412268B2	2016-08-09	Vehicle detection and counting	United States	Avigilon Analytics Corporation
US14885479A	2015-10-16	US9412269B2	2016-08-09	Object detection based on image pixels	United States	Avigilon Analytics Corporation

US14885499A	2015-10-16	US9449398B2	2016-09-20	Directional object detection	United States	Avigilon Analytics Corporation
US14952200A	2015-11-25			VIEW HANDLING IN VIDEO SURVEILLANCE SYSTEMS	United States	Avigilon Fortress Corporation
US14959498A	2015-12-04			SYSTEMS AND METHODS FOR SOCIAL MEDIA TREND PREDICTION	United States	Avigilon Fortress Corporation
US14959571A	2015-12-04			TIME-OF-APPROACH RULE	United States	Avigilon Fortress Corporation
US14959831A	2015-12-04			SYSTEMS AND METHODS FOR AUTOMATED VISUAL SURVEILLANCE	United States	Avigilon Fortress Corporation
US14959919A	2015-12-04			SYSTEMS AND METHODS FOR VIDEO ANALYSIS RULES BASED ON MAP DATA	United States	Avigilon Fortress Corporation

US14961805A	2015-12-07	US9524437B2	2016-12-20	Automatic extraction of secondary video streams	United States	Avigilon Fortress Corporation
US14962269A	2015-12-08			AUTOMATIC SHIP VERIFICATION	United States	Avigilon Fortress Corporation
US14972101A	2015-12-17	US9509961B2	2016-11-29	Multichannel video content analysis system using video multiplexing	United States	Avigilon Fortress Corporation
US14982737A	2015-12-29			MULTI-HEADED ADJUSTABLE CAMERA	United States	Avigilon Corporation
US14989222A	2016-01-06	US9641794B2	2017-05-02	Smudge removal	United States	Avigilon Fortress Corporation
US15003373A	2016-01-21	US9615032B2	2017-04-04	Imaging apparatus with scene adaptive auto exposure compensation	United States	Avigilon Corporation

US15006117A	2016-01-26	US9805266B2	2017-10-31	System and method for video content analysis using depth sensing	United States	Avigilon Fortress Corporation
US15044902A	2016-02-16			VIDEO SURVEILLANCE SYSTEM EMPLOYING VIDEO PRIMITIVES	United States	Avigilon Fortress Corporation
US15048951A	2016-02-19	US9569659B2	2017-02-14	Method and system for tagging an image of an individual in a plurality of photos	United States	Avigilon Patent Holding 1 Corporation
US15054520A	2016-02-26			INTELLIGENT VIDEO VERIFICATION OF POINT OF SALE (POS) TRANSACTIONS	United States	Avigilon Fortress Corporation
US15068433A	2016-03-11	US9830511B2	2017-11-28	Method of searching data to identify images of an object captured by a camera system	United States	Avigilon Analytics Corporation
US15077822A	2016-03-22	US9756294B2	2017-09-05	Content-aware computer networking devices with video analytics for reducing video storage and	United States	Avigilon Analytics Corporation

US15087563A	2016-03-31				video communication bandwidth requirements of a video surveillance network camera system	United States	Avigilon Corporation
US15094842A	2016-04-08				SECURITY DEVICE CAPABILITY DISCOVERY AND DEVICE SELECTION	United States	Avigilon Corporation
US15130729A	2016-04-15	US9595182B2	2017-03-14		UPGRADING A PHYSICAL SECURITY SYSTEM HAVING MULTIPLE SERVER NODES	United States	Avigilon Corporation
US15147288A	2016-05-05	US9805566B2	2017-10-31		Method and system for configurable security and surveillance systems	United States	Avigilon Patent Holding 1 Corporation
US15150456A	2016-05-10				Scanning camera-based video surveillance system	United States	Avigilon Fortress Corporation
					SYSTEM AND METHOD FOR HOME HEALTH CARE MONITORING	United States	Avigilon Fortress Corporation

US15203749A	2016-07-06	US9798922B2	2017-10-24	Image classification and information retrieval over wireless digital networks and the internet	United States	Avigilon Patent Holding 1 Corporation
US15205134A	2016-07-08			SYSTEM AND METHOD FOR IDENTIFYING FACES IN UNCONSTRAINED MEDIA	United States	Avigilon Fortress Corporation
US15217484A	2016-07-22	US9584731B2	2017-02-28	Camera system control for correcting bore-sight offset	United States	Avigilon Corporation
US15238571A	2016-08-16			Spring-loaded mounting housing for a camera	United States	Avigilon Corporation
US15240933A	2016-08-18	US9721168B2	2017-08-01	Directional object detection	United States	Avigilon Analytics Corporation
US15247986A	2016-08-26	US9646212B2	2017-05-09	Methods, devices and systems for detecting objects in a video	United States	Avigilon Fortress Corporation

US15268336A	2016-09-16				PHYSICAL SECURITY SYSTEM HAVING MULTIPLE SERVER NODES CONFIGURED TO IMPLEMENT A CONDITIONALLY TRIGGERED RULE	United States	Avigilon Corporation
US15292026A	2016-10-12				STORAGE MANAGEMENT OF DATA STREAMED FROM A VIDEO SOURCE DEVICE	United States	Avigilon Corporation
US15299384A	2016-10-20				SELF-PROVISIONING ACCESS CONTROL	United States	Avigilon Analytics Corporation
US15338072A	2016-10-28	US9665774B2	2017-05-30		Semantic representation module of a machine-learning engine in a video analysis system	United States	Avigilon Patent Holding 1 Corporation
US15358780A	2016-11-22				AUTOMATIC EXTRACTION OF SECONDARY VIDEO STREAMS	United States	Avigilon Fortress Corporation

US15365478A	2016-11-30				SYSTEM AND METHOD FOR BACKGROUND AND FOREGROUND SEGMENTATION	United States	Avigilon Analytics Corporation
US15380299A	2016-12-15				DOME CAMERA	United States	Avigilon Corporation
US15380321A	2016-12-15				SYSTEM AND METHOD FOR MULTIPLE VIDEO PLAYBACK	United States	Avigilon Corporation
US15405887A	2017-01-13				ARTICULATING ARM	United States	Avigilon Corporation
US15405907A	2017-01-13				REMOVABLE HINGE	United States	Avigilon Corporation
US15409439A	2017-01-18				INTELLIGENT HIGH RESOLUTION VIDEO SYSTEM	United States	Avigilon Analytics Corporation

US15440945A	2017-02-23				AUTOMATIC EVENT DETECTION, TEXT GENERATION, AND USE THEREOF	United States	Avigilon Fortress Corporation
US15442490A	2017-02-24				METHOD AND SYSTEM FOR CONFIGURABLE SECURITY AND SURVEILLANCE SYSTEMS	United States	Avigilon Patent Holding 1 Corporation
US15458353A	2017-03-14				SYSTEM AND METHOD FOR TRAINING OBJECT CLASSIFIER BY MACHINE LEARNING	United States	Avigilon Corporation
US15478139A	2017-04-03				CONTENT- AWARE COMPUTER NETWORKING DEVICES WITH VIDEO ANALYTICS FOR REDUCING VIDEO STORAGE AND VIDEO COMMUNICATIO N BANDWIDTH REQUIREMENTS OF A VIDEO SURVEILLANCE NETWORK CAMERA SYSTEM	United States	Avigilon Analytics Corporation

US15494010A	2017-04-21				SEMANTIC REPRESENTATION MODULE OF A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
US15494192A	2017-04-21				Timeline Synchronization Control Method for Multiple Display Views	United States	Avigilon Corporation
US15499521A	2017-04-27				SECURITY CAMERA WITH ADJUSTABLE LENS AIMING MECHANISM	United States	Avigilon Corporation
US15532455A	2017-06-01				METHOD AND SYSTEM FOR TRACKING AND PICTORIALLY DISPLAYING LOCATIONS OF TRACKED INDIVIDUALS	United States	Avigilon Corporation
US15605818A	2017-05-25				VIDEO OBJECT CLASSIFICATION WITH OBJECT SIZE CALIBRATION	United States	Avigilon Analytics Corporation

US15609530A	2017-05-31				CAMERA HOUSING FOR REDUCING INTERNAL REFLECTIONS AND CAMERA COMPRISING SAME	United States	Avigilon Corporation
US15624861A	2017-06-16				SYSTEM AND METHOD FOR DETECTING, TRACKING, AND CLASSIFYING OBJECTS	United States	Avigilon Fortress Corporation
US15648365A	2017-07-12				METHOD OF PROCESSING A TRANSACTION FOR A PARKING SESSION	United States	Avigilon Patent Holding 1 Corporation
US11107671A	2005-04-15				Method and system for configurable security and surveillance systems	United States	9051147 CANADA INC
US11165435A	2005-06-24	US7796780B2	2010-09-14		Target detection and tracking from overhead video streams	United States	Avigilon Fortress Corporation
US11220970	2005-09-08	US9363487B2	2016-06-07		Scanning camera-based video surveillance system	United States	Avigilon Fortress Corporation

US11300581	2005-12-15	US8711217B2	2014-04-29	Video surveillance system employing video primitives	United States	Avigilon Fortress Corporation
US11098385	2005-04-05	US7868912B2	2011-01-11	Video surveillance system employing video primitives	United States	Avigilon Fortress Corporation
US11602490	2006-11-21	US9240051B2	2016-01-19	Object density estimation in video	United States	Avigilon Fortress Corporation
US11744353	2007-05-04	US8334906B2	2012-12-18	Video imagery-based sensor	United States	Avigilon Fortress Corporation
US11826324	2007-07-13	US9158975B2	2015-10-13	Video analytics for retail business process monitoring	United States	Avigilon Fortress Corporation
US12105871	2008-04-18	US8872940B2	2014-10-28	Content aware storage of video data	United States	Avigilon Analytics Corporation

US1215476	2008-06-04	US9021006B2	2015-04-28	Intelligent video network protocol	United States	Avigilon Fortress Corporation
US12273505	2008-11-18	US8831090B2	2014-09-09	Method, system and apparatus for image capture, analysis and transmission	United States	Avigilon Corporation
US12039085	2008-02-28	US9584710B2	2017-02-28	Intelligent high resolution video system	United States	Avigilon Analytics Corporation
US12397276	2009-03-03	US8224029B2	2012-07-17	Object matching for tracking, indexing, and search	United States	Avigilon Analytics Corporation
US2009397287A	2009-03-03	US8934709B2	2015-01-13	Dynamic object classification	United States	Avigilon Analytics Corporation
US12879952	2010-09-10			VIDEO SYSTEM WITH INTELLIGENT VISUAL DISPLAY	United States	Avigilon Analytics Corporation

US29449936	2013-03-15	USD725692S1	2015-03-31	Bullet camera	United States	Avigilon Corporation
US29470179	2013-10-17	USD726798S1	2015-04-14	Miniature dome camera	United States	Avigilon Corporation
US29470181	2013-10-17	USD726799S1	2015-04-14	Miniature dome camera	United States	Avigilon Corporation
US29479091	2014-01-10	USD722296S1	2015-02-10	Junction box	United States	Avigilon Corporation
US29483656	2014-02-28	USD730420S1	2015-05-26	Camera housing	United States	Avigilon Corporation
US29485532	2014-03-19	USD732597S1	2015-06-23	Bullet camera	United States	Avigilon Corporation

US29488369	2014-04-17	USD752128S1	2016-03-22	Security camera processor	United States	Avigilon Corporation
US29488370	2014-04-17	USD723604S1	2015-03-03	Spherical security camera	United States	Avigilon Corporation
US29488371	2014-04-17	USD719208S1	2014-12-09	Enclosure for a spherical camera	United States	Avigilon Corporation
US29496399	2014-07-11	USD742447S1	2015-11-03	Trim ring with dome	United States	Avigilon Corporation
US29496404	2014-07-11	USD741934S1	2015-10-27	Gimbal shroud	United States	Avigilon Corporation
US29496408	2014-07-11	USD753205S1	2016-04-05	Gimbal	United States	Avigilon Corporation

US29500843	2014-08-28	USD744571S1	2015-12-01	Pendant enclosure for a spherical camera	United States	Avigilon Corporation
US29523745	2015-04-13	USD782536S1	2017-03-28	Video appliance	United States	Avigilon Corporation
US29540150	2015-09-21	USD798358S1	2017-09-26	Wall-mounted pendant enclosure for a spherical camera	United States	Avigilon Corporation
US29540152	2015-09-21	USD777817S1	2017-01-31	Enclosure for a camera	United States	Avigilon Corporation
US29540153	2015-09-21	USD778241S1	2017-02-07	Junction box	United States	Avigilon Corporation
US29540154	2015-09-21	USD777818S1	2017-01-31	Box enclosure for a camera	United States	Avigilon Corporation

US29540155	2015-09-21	USD775257S1	2016-12-27	Shade for a camera	United States	Avigilon Corporation
US29571287	2016-07-15	USD796566S1	2017-09-05	Enclosure for a camera	United States	Avigilon Corporation
US29571289	2016-07-15	USD796567S1	2017-09-05	Enclosure for a camera	United States	Avigilon Corporation
US29571290	2016-07-15	USD796568S1	2017-09-05	Enclosure for a camera	United States	Avigilon Corporation
US29571916	2016-07-22	USD798933S1	2017-10-03	Dome camera	United States	Avigilon Corporation
US29571917	2016-07-22	USD798934S1	2017-10-03	Dome camera	United States	Avigilon Corporation

US29571918	2016-07-22	USD795942S1	2017-08-29	Bullet camera with shroud	United States	Avigilon Corporation
US29571920	2016-07-22	USD795943S1	2017-08-29	Bullet camera with shroud	United States	Avigilon Corporation
US29571922	2016-07-22	USD795944S1	2017-08-29	Bullet camera	United States	Avigilon Corporation
US29579418	2016-09-29	USD798362S1	2017-09-26	Wall-mounted pendant enclosure for a spherical camera	United States	Avigilon Corporation
12198887	2008-12-25	7599527	2009-10-06	DIGITAL IMAGE SEARCH SYSTEM AND METHOD	United States	Avigilon Patent Holding 1 Corporation
12573129	2009-10-04	7831069	2010-11-09	DIGITAL IMAGE SEARCH SYSTEM AND METHOD	United States	Avigilon Patent Holding 1 Corporation

12129551	2008-05-29	8041116	2011-10-18	IDENTIFYING STALE BACKGROUND PIXELS IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12028484	2008-02-08	8131012	2012-03-06	Behavioral recognition system	United States	Avigilon Patent Holding 1 Corporation
12157087	2008-06-06	8081816	2011-12-20	APPARATUS AND METHOD FOR HARDWARE IMPLEMENTATION OF OBJECT RECOGNITION FROM AN IMAGE STREAM USING ARTIFICIAL NEURAL NETWORK	United States	Avigilon Patent Holding 1 Corporation
12875923	2010-09-03	8120513	2012-02-21	VEHICLE IDENTIFICATION, TRACKING AND ENFORCEMENT SYSTEM	United States	Avigilon Patent Holding 1 Corporation
11999649	2007-12-06	7904477	2011-03-08	OBJECT VERIFICATION ENABLED NETWORK (OVEN)	United States	Avigilon Patent Holding 1 Corporation

11353264	2006-02-14	7903141	2011-03-08	METHOD AND SYSTEM FOR EVENT DETECTION BY MULTI-SCALE IMAGE INVARIANT ANALYSIS	United States	Avigilon Patent Holding 1 Corporation
11234377	2005-09-26	7884849	2011-02-08	VIDEO SURVEILLANCE SYSTEM WITH OMNI-DIRECTIONAL CAMERA	United States	Avigilon Fortress Corporation
12267554	2008-11-07	7668348	2010-02-23	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND THE INTERNET	United States	Avigilon Patent Holding 1 Corporation
11132213	2005-05-19	7613322	2009-11-03	PERIODIC MOTION DETECTION WITH APPLICATIONS TO MULTI-GRABBING	United States	Avigilon Fortress Corporation
11534667	2006-09-24	7450740	2008-11-11	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND	United States	Avigilon Patent Holding 1 Corporation

12941103	2010-11-08	8199980	2012-06-12	DIGITAL IMAGE SEARCH SYSTEM AND METHOD	United States	Avigilon Patent Holding 1 Corporation
12583323	2009-08-18	8165386	2012-04-24	APPARATUS AND METHOD FOR MEASURING AUDIENCE DATA FROM IMAGE STREAM USING DYNAMICALLY-CONFIGURABLE HARDWARE ARCHITECTURE	United States	Avigilon Patent Holding 1 Corporation
12543242	2009-08-18	8280153	2012-10-02	VISUALIZING AND UPDATING LEARNED TRAJECTORIES IN VIDEO SURVEILLANCE SYSTEMS	United States	Avigilon Patent Holding 1 Corporation
12125536	2008-05-22	8280939	2012-10-02	METHODS AND APPARATUS FOR AUTOMATIC ACCURACY-SUSTAINING SCALING OF BLOCK-FLOATING-POINT OPERANDS	United States	Avigilon Patent Holding 2 Corporation

12555789	2009-09-08	8311294	2012-11-13	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND THE INTERNET	United States	Avigilon Patent Holding 1 Corporation
12543307	2009-08-18	8379085	2013-02-19	INTRA-TRAJECTORY ANOMALY DETECTION USING ADAPTIVE VOTING EXPERTS IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12204562	2008-09-04	8401229	2013-03-19	STATIONARY TARGET DETECTION BY EXPLOITING CHANGES IN BACKGROUND MODEL	United States	Avigilon Fortress Corporation
12188801	2008-08-08	8405720	2013-03-26	AUTOMATIC CALIBRATION OF PTZ CAMERA SYSTEM	United States	Avigilon Fortress
12341318	2008-12-22	8369570	2013-02-05	METHOD AND SYSTEM FOR TAGGING AN IMAGE OF AN INDIVIDUAL IN A PLURALITY OF	United States	Avigilon Patent Holding 1 Corporation

11219951	2005-09-06	8508607	2013-08-13	PHOTOS	Method and system for a programmable camera for security and surveillance systems	United States	Avigilon Patent Holding 1 Corporation
12154002	2008-05-19	8462996	2013-06-11	Method and system for measuring human response to visual stimulus based on changes in facial expression	Method and system for measuring human response to visual stimulus based on changes in facial expression	United States	Avigilon Patent Holding 1 Corporation
12313359	2008-11-19	8570376	2013-10-29	METHOD AND SYSTEM FOR EFFICIENT SAMPLING OF VIDEOS USING SPATIOTEMPORAL CONSTRAINTS FOR STATISTICAL BEHAVIOR ANALYSIS	METHOD AND SYSTEM FOR EFFICIENT SAMPLING OF VIDEOS USING SPATIOTEMPORAL CONSTRAINTS FOR STATISTICAL BEHAVIOR ANALYSIS	United States	Avigilon Patent Holding 1 Corporation
11818485	2007-06-14	8660895	2014-02-25	Method and system for rating of out-of-home digital media network based on	Method and system for rating of out-of-home digital media network based on	United States	Avigilon Patent Holding 1 Corporation

11805321	2007-05-23	8706544	2014-04-22	automatic measurement	United States	Avigilon Patent Holding 1 Corporation
				METHOD AND SYSTEM FOR AUTOMATICALLY MEASURING AND FORECASTING THE DEMOGRAPHIC CHARACTERIZATION OF CUSTOMERS TO HELP CUSTOMIZE PROGRAMMING CONTENTS IN A MEDIA NETWORK		
13674019	2012-11-10	8897506	2014-11-25	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND THE INTERNET	United States	Avigilon Patent Holding 1 Corporation
				Method And System For Attaching A Metatag To A Digital Image	United States	Avigilon Patent Holding 1 Corporation
14093576	2013-12-02	8908933	2014-12-09			

12104281	2008-04-16	9215781	2015-12-15	ENERGY SAVINGS AND IMPROVED SECURITY THROUGH INTELLIGENT LIGHTING SYSTEMS	United States	Avigilon Analytics Corporation
13678273	2012-11-15	9197861	2015-11-24	MULTI-DIMENSIONAL VIRTUAL BEAM DETECTION FOR VIDEO ANALYTICS	United States	Avigilon Analytics Corporation
12543379	2009-08-18	8295591	2012-10-23	ADAPTIVE VOTING EXPERTS FOR INCREMENTAL SEGMENTATION OF SEQUENCES WITH PREDICTION IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
14095997	2013-12-03	9325951	2016-04-26	CONTENT-AWARE COMPUTER NETWORKING DEVICES WITH VIDEO ANALYTICS FOR REDUCING VIDEO STORAGE AND VIDEO COMMUNICATION BANDWIDTH REQUIREMENTS OF A VIDEO	United States	Avigilon Analytics Corporation

14550206	2014-11-21	9412009	2016-08-09	SURVEILLANCE NETWORK CAMERA SYSTEM	Image Classification And Information Retrieval Over Wireless Digital Networks And The Internet	United States	Avigilon Patent Holding 1 Corporation
14551035	2014-11-23	9465817	2016-10-11		Method And System For Attaching A Metatag To A Digital Image	United States	Avigilon Patent Holding 1 Corporation
14992973	2016-01-11	9489569	2016-11-08		SEMANTIC REPRESENTATION MODULE OF A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
15238571	2016-08-16	9692951	2017-06-27		SPRING-LOADED MOUNTING HOUSING FOR A CAMERA	United States	Avigilon Corporation

14434729	2015-04-09	9696609	2014-07-04	CAMERA HOUSING FOR REDUCING INTERNAL REFLECTIONS AND CAMERA COMPRISING SAME	United States	Avigilon Corporation
12129521	2008-05-29	8094943	2012-01-10	BACKGROUND-FOREGROUND MODULE FOR VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
11348633	2007-08-09	7504942	2009-03-17	LOCAL VERIFICATION SYSTEMS AND METHODS FOR SECURITY MONITORING	United States	Avigilon Analytics Corporation
10884486	2004-07-01	7627171	2009-12-01	METHODS AND SYSTEMS FOR DETECTING OBJECTS OF INTEREST IN SPATIO-TEMPORAL SIGNALS	United States	Avigilon Analytics Corporation
12611850	2009-11-03	8073254	2011-12-06	METHODS AND SYSTEMS FOR DETECTING OBJECTS OF INTEREST IN SPATIO-TEMPORAL SIGNALS	United States	Avigilon Analytics Corporation

12105893	2008-04-18	8427552	2013-04-23	EXTENDING THE OPERATIONAL LIFETIME OF A HARD-DISK DRIVE USED IN VIDEO DATA STORAGE APPLICATIONS	United States	Avigilon Analytics Corporation
12940841	2010-11-05	8736701	2014-05-27	VIDEO CAMERA HAVING RELATIONAL VIDEO DATABASE WITH ANALYTICS-PRODUCED METADATA	United States	Avigilon Analytics Corporation
11852612	2007-09-10	8122497	2012-02-21	NETWORKED PHYSICAL SECURITY ACCESS CONTROL SYSTEM AND METHOD	United States	Avigilon Analytics Corporation
13350112	2012-01-13	8533814	2013-09-10	NETWORKED PHYSICAL SECURITY ACCESS CONTROL SYSTEM AND METHOD	United States	Avigilon Analytics Corporation
12138559	2008-06-13	7587070	2009-09-08	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND THE INTERNET	United States	Avigilon Patent Holding 1 Corporation

12707669	2010-02-17	7885435	2011-02-08	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND THE INTERNET	United States	Avigilon Patent Holding 1 Corporation
12948709	2010-11-17	8600174	2013-12-03	METHOD AND SYSTEM FOR ATTACHING A METATAG TO A DIGITAL IMAGE	United States	Avigilon Patent Holding 1 Corporation
13753543	2013-01-30	8798321	2014-08-05	METHOD AND SYSTEM FOR TAGGING AN IMAGE OF AN INDIVIDUAL IN A PLURALITY OF PHOTOS	United States	Avigilon Patent Holding 1 Corporation
14094739	2013-12-02	9224035	2015-12-29	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND THE INTERNET	United States	Avigilon Patent Holding 1 Corporation
09609919	2000-07-03	6738424	2004-05-18	SCENE MODEL GENERATION FROM VIDEO FOR USE IN VIDEO PROCESSING	United States	Avigilon Fortress Corporation

09694712	2000-10-24	6954498	2005-10-11	INTERACTIVE VIDEO MANIPULATION	United States	Avigilon Fortress Corporation
09809036	2001-03-16	7321624	2008-01-22	BIT-RATE ALLOCATION SYSTEM FOR OBJECT-BASED VIDEO ENCODING	United states	Avigilon Fortress Corporation
09815385	2001-03-23	6625310	2003-09-23	VIDEO SEGMENTATION USING STATISTICAL PIXEL MODELING	United States	Avigilon Fortress Corporation
09972039	2001-10-09	6696945	2004-02-24	VIDEO TRIPWIRE	United States	Avigilon Fortress Corporation
09978592	2001-10-18	7046732	2006-05-16	VIDEO COLORING BOOK	United States	Avigilon Fortress Corporation
10331778	2002-12-31	6987883	2006-01-17	VIDEO SCENE BACKGROUND MAINTENANCE USING STATISTICAL PIXEL MODELING	United States	Avigilon Fortress Corporation

10354096	2003-01-30	6999600	2006-02-14	VIDEO SCENE BACKGROUND MAINTENANCE USING CHANGE DETECTION AND CLASSIFICATION	United States	Avigilon Fortress Corporation
10667148	2003-09-22	7224852	2007-05-29	VIDEO SEGMENTATION USING STATISTICAL PIXEL MODELING	United States	Avigilon Fortress Corporation
10704645	2003-11-12	6970083	2005-11-29	VIDEO TRIPWIRE	United States	Avigilon Fortress Corporation
10766949	2004-01-30	7646401	2010-01-12	VIDEO-BASED PASSBACK EVENT DETECTION	United States	Avigilon Fortress Corporation
10950680	2004-09-28	7733369	2010-06-08	VIEW HANDLING IN VIDEO SURVEILLANCE SYSTEMS	United States	Avigilon Fortress Corporation
10954309	2004-10-01	7391907	2008-06-24	SPURIOUS OBJECT DETECTION IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Fortress Corporation

11098579	2005-04-05	7583815	2009-09-01	WIDE-AREA SITE-BASED VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Fortress Corporation
11098385	2005-04-05	7868912	2011-01-11	VIDEO SURVEILLANCE SYSTEM EMPLOYING VIDEO PRIMITIVES	United States	Avigilon Fortress Corporation
11139600	2005-05-31	7825954	2010-11-02	MULTI-STATE TARGET TRACKING	United States	Avigilon Fortress Corporation
11165182	2005-06-24	7613324	2009-11-03	DETECTION OF CHANGE IN POSTURE IN VIDEO	United States	Avigilon Fortress Corporation
11700007	2007-01-31	7801330	2010-09-21	TARGET DETECTION AND TRACKING FROM VIDEO STREAMS	United States	Avigilon Fortress Corporation
11711063	2007-02-27	7424175	2008-09-09	VIDEO SEGMENTATION USING STATISTICAL PIXEL MODELING	United States	Avigilon Fortress Corporation

11730518	2007-04-02	7949150	2011-05-24	AUTOMATIC CAMERA CALIBRATION AND GEO-REGISTRATION USING OBJECTS THAT PROVIDE POSITIONAL INFORMATION	United States	Avigilon Fortress Corporation
11802895	2007-05-25	7925536	2011-04-12	INTELLIGENT VIDEO VERIFICATION OF POINT OF SALE (POS) TRANSACTIONS	United States	Avigilon Fortress Corporation
11757738	2007-06-04	7822275	2010-10-26	METHOD FOR DETECTING WATER REGIONS IN VIDEO	United States	Avigilon Fortress Corporation
11828842	2007-07-26	8564661	2013-10-22	VIDEO ANALYTIC RULE DETECTION SYSTEM AND METHOD	United States	Avigilon Fortress Corporation
12007027	2008-01-04	8180490	2012-05-15	VIDEO-BASED SENSING FOR DAYLIGHTING CONTROLS	United States	Avigilon Fortress Corporation

12203514	2008-09-03	8150103	2012-04-03	BACKGROUND MODELING WITH FEATURE BLOCKS	United States	Avigilon Fortress Corporation
12294761	2014-03-31	8848053	2014-09-30	AUTOMATIC EXTRACTION OF SECONDARY VIDEO STREAMS	United States	Avigilon Fortress Corporation
12297396	2009-02-10	8457401	2013-06-04	VIDEO SEGMENTATION USING STATISTICAL PIXEL MODELING	United States	Avigilon Fortress Corporation
12569116	2009-09-29	7932923	2011-04-26	VIDEO SURVEILLANCE SYSTEM EMPLOYING VIDEO PRIMITIVES	United States	Avigilon Fortress Corporation
12781617	2010-05-17	8497906	2013-07-30	VIEW HANDLING IN VIDEO SURVEILLANCE SYSTEMS	United States	Avigilon Fortress Corporation
13354141	2012-01-19	8823804	2014-09-02	METHOD FOR FINDING PATHS IN VIDEO	United States	Avigilon Fortress Corporation

13770700	2013-02-19	8526678	2013-09-03	STATIONARY TARGET DETECTION BY EXPLOITING CHANGES IN BACKGROUND MODEL	United States	Avigilon Fortress Corporation
13957636	2013-08-02	8948458	2015-02-03	STATIONARY TARGET DETECTION BY EXPLOITING CHANGES IN BACKGROUND MODEL	United States	Avigilon Fortress Corporation
12011385	2008-01-25	8665333	2014-03-04	METHOD AND SYSTEM FOR OPTIMIZING THE OBSERVATION AND ANNOTATION OF COMPLEX HUMAN BEHAVIOR FROM VIDEO SOURCES	United States	Avigilon Patent Holding 1 Corporation
12221552	2008-08-04	7742623	2010-06-22	METHOD AND SYSTEM FOR ESTIMATING GAZE TARGET, GAZE SEQUENCE, AND GAZE MAP FROM VIDEO	United States	Avigilon Patent Holding 1 Corporation
12286138	2008-09-29	8457466	2013-06-04	VIDEORE: METHOD AND SYSTEM FOR STORING VIDEOS FROM MULTIPLE CAMERAS FOR	United States	Avigilon Patent Holding 1 Corporation

12317917	2008-12-30	8401248	2013-03-19	BEHAVIOR RE-MINING	Method and system for measuring emotional and attentional response to dynamic digital media content	United States	Avigilon Patent Holding 1 Corporation
11748775	2007-05-15	7961946	2011-06-14	METHOD AND SYSTEM FOR BACKGROUND ESTIMATION IN LOCALIZATION AND TRACKING OF OBJECTS IN A SMART VIDEO CAMERA		United States	Avigilon Patent Holding 1 Corporation
12209736	2008-09-12	8576281	2013-11-05	SMART NETWORK CAMERA SYSTEM-ON-A-CHIP		United States	Avigilon Patent Holding 1 Corporation
13413549	2012-03-06	8620028	2013-12-31	BEHAVIORAL RECOGNITION SYSTEM		United States	Avigilon Patent Holding 1 Corporation

12170268	2008-07-09	8411935	2013-04-02	SEMANTIC REPRESENTATION MODULE OF A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12170283	2008-07-09	8189905	2012-05-29	COGNITIVE MODEL FOR A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
13855332	2013-04-02	8923609	2014-12-30	EMANTIC REPRESENTATION MODULE OF A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
14584967	2014-12-29	9235752	2016-01-12	SEMANTIC REPRESENTATION MODULE OF A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12129539	2008-05-28	8064695	2011-11-22	DARK SCENE COMPENSATION IN A BACKGROUND-FOREGROUND MODULE OF A	United States	Avigilon Patent Holding 1 Corporation

12336354	2008-12-16	8126833	2012-02-28	VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12208551	2008-09-11	8121968	2012-02-21	DETECTING ANOMALOUS EVENTS USING A LONG-TERM MEMORY IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12543318	2009-08-18	8340352	2012-12-25	LONG-TERM MEMORY IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
13545950	2012-07-10	8374393	2013-02-12	INTER-TRAJECTORY ANOMALY DETECTION USING ADAPTIVE VOTING EXPERTS IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
				FOREGROUND OBJECT TRACKING	United States	Avigilon Patent Holding 1 Corporation

12552197	2009-09-01	8218818	2012-07-10	FOREGROUND OBJECT TRACKING	United States	Avigilon Patent Holding 1 Corporation
12112864	2008-04-30	8200011	2012-06-12	CONTEXT PROCESSOR FOR VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12208526	2008-09-11	8175333	2012-05-08	ESTIMATOR IDENTIFIER COMPONENT FOR BEHAVIORAL RECOGNITION SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12208538	2008-09-11	8300924	2012-10-30	TRACKER COMPONENT FOR BEHAVIORAL RECOGNITION SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12388409	2009-02-18	8285046	2012-10-09	ADAPTIVE UPDATE OF BACKGROUND PIXEL THRESHOLDS USING SUDDEN ILLUMINATION CHANGE DETECTION	United States	Avigilon Patent Holding 1 Corporation

12543336	2009-08-18	8358834	2013-01-22	BACKGROUND MODEL FOR COMPLEX AND DYNAMIC SCENES	United States	Avigilon Patent Holding 1 Corporation
13472214	2012-05-15	8494222	2013-07-23	CLASSIFIER ANOMALIES FOR OBSERVED BEHAVIORS IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12561956	2009-09-17	8180105	2012-05-15	CLASSIFIER ANOMALIES FOR OBSERVED BEHAVIORS IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12551154	2009-08-31	8270732	2012-09-18	CLUSTERING NODES IN A SELF-ORGANIZING MAP USING AN ADAPTIVE RESONANCE THEORY NETWORK	United States	Avigilon Patent Holding 1 Corporation
12551395	2009-08-31	8285060	2012-10-09	DETECTING ANOMALOUS TRAJECTORIES IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation

12552210	2009-09-01	8218819	2012-07-10	FOREGROUND OBJECT DETECTION IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
13622281	2012-09-18	8548198	2013-10-01	IDENTIFYING ANOMALOUS OBJECT TYPES DURING CLASSIFICATION	United States	Avigilon Patent Holding 1 Corporation
12551276	2009-08-31	8270733	2012-09-18	IDENTIFYING ANOMALOUS OBJECT TYPES DURING CLASSIFICATION	United States	Avigilon Patent Holding 1 Corporation
12423650	2009-04-14	8416296	2013-04-09	MAPPER COMPONENT FOR MULTIPLE ART NETWORKS IN A VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12551364	2009-08-31	8167430	2012-05-01	UNSUPERVISED LEARNING OF TEMPORAL ANOMALIES FOR A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12561977	2009-09-17	8170283	2012-05-01	VIDEO SURVEILLANCE SYSTEM CONFIGURED TO ANALYZE COMPLEX	United States	Avigilon Patent Holding 1 Corporation

12551332	2009-08-31	8797405	2014-08-05	BEHAVIORS USING ALTERNATING LAYERS OF CLUSTERING AND SEQUENCING	United States	Avigilon Patent Holding 1 Corporation
12543204	2009-08-18	8625884	2014-01-07	VISUALIZING AND UPDATING CLASSIFICATIONS IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12551303	2009-08-31	8786702	2014-07-22	VISUALIZING AND UPDATING LONG-TERM MEMORY PERCEPTS IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12543351	2009-08-18	8493409	2013-07-23	VISUALIZING AND UPDATING SEQUENCES AND SEGMENTS IN A VIDEO SURVEILLANCE SYSTEM	United States	Avigilon Patent Holding 1 Corporation

13494605	2012-06-12	8705861	2014-04-22	CONTEXT PROCESSOR FOR VIDEO ANALYSIS SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12131443	2008-06-02	7791501	2010-09-07	VEHICLE IDENTIFICATION, TRACKING AND PARKING ENFORCEMENT SYSTEM	United States	Avigilon Patent Holding 1 Corporation
12034664	2008-02-21	7428321	2008-09-23	IMAGE CLASSIFICATION AND INFORMATION RETRIEVAL OVER WIRELESS DIGITAL NETWORKS AND THE INTERNET	United States	Avigilon Patent Holding 1 Corporation
11156380	2005-06-16	7382277	2008-06-03	SYSTEM FOR TRACKING SUSPICIOUS VEHICULAR ACTIVITY	United States	Avigilon Patent Holding 1 Corporation

Schedule "B"


Trademarks

[See attached.]

CANADIAN TRADEMARKS

Trademark	App. No.	App. Date	Reg. No.	Reg. Date	Owner
AVIGILON	1237363	11/16/2004	TMA683084	03/07/2007	Avigilon Corporation
CAPTURE IT WITH CLARITY	1565128	02/21/2012	TMA853707	06/19/2013	Avigilon Corporation
HDSM	1531763	06/15/2011	TMA830746	08/27/2012	Avigilon Corporation
HIGH DEFINITION STREAM MANAGEMENT (HDSM)	1531871	06/15/2011	TMA835354	10/30/2012	Avigilon Corporation
LIGHTCATCHER	1634824	07/11/2013			Avigilon Corporation
THE BEST EVIDENCE	1292328	03/03/2006	TMA682829	03/05/2007	Avigilon Corporation

TM Record	Mark/Name	Status/Key Dates	Application No.	Registration No.	Owner
US Federal	LIGHTCATCHER	Registered May 9, 2017 Filed: July 30, 2013 Registered: May 9, 2017	86023465	5197941	Avigilon Corporation (CANADA CORP.)
US Federal	AVIGILON	Registered April 26, 2016 Int'l Class: 06,09,35,36,37,41,42,45 First Use: March, 2007 Int'l Class: 38 First Use: July, 2006 Filed: July 7, 2014 Registered: April 26, 2016	86329456	4943916	Avigilon Corporation (CANADA CORP.)
US Federal	HDSM	Registered February 5, 2013 Filed: June 17, 2011 Registered: February 5, 2013	85349447	4284653	Avigilon Corporation (CANADA CORP.)
US Federal	AVIGILON (Stylized) 	Registered June 7, 2016 Int'l Class: 06,09,35,36,37,41,42,45 First Use: March, 2007 Int'l Class: 38 First Use: July, 2006 Filed: June 2, 2015 Registered: June 7, 2016	86648840	4972046	Avigilon Corporation (CANADA CORP.)

TM Record	Mark/Name	Status/Key Dates	Application No.	Registration No.	Owner
US Federal	THE SEARCH ENGINE OF VIDEO SURVEILLANCE	Allowed - Intent to Use 2nd Extension of Time Granted September 1, 2017 Filed: November 23, 2015	86829525		Avigilon Corporation (CANADA CORP.)
US Federal	TRUSTED SECURITY SOLUTIONS	Pending - Non-Final Action Mailed August 14, 2017 Filed: March 11, 2016	86937280		Avigilon Corporation (CANADA CORP.)
US Federal	AVIGILON BLUE	Pending - Non-Final Action Mailed November 9, 2017 Filed: August 3, 2017	87554983		Avigilon Corporation (CANADA CORP.)
US Federal	AVIGILON BLUE and Design 	Pending - Non-Final Action Mailed November 9, 2017 Filed: August 3, 2017	87554994		Avigilon Corporation (CANADA CORP.)
US Federal	APD	Pending - Publication Review Complete December 19, 2017 Filed: October 9, 2017	87637917		Avigilon Corporation (CANADA CORP.)

TM Record	Mark/Name	Status/Key Dates	Application No.	Registration No.	Owner
US Federal	AVIGILON PRESENCE DETECTOR	Pending - Non-Final Action Mailed November 9, 2017 Filed: October 9, 2017	87637923		Avigilon Corporation (CANADA CORP.)
US Federal	THE BEST EVIDENCE	Registered 8 & 15 February 7, 2014 Filed: March 6, 2006 Registered: January 22, 2008	78830256	3372970	Avigilon Corporation (CANADA CORP.)
US Federal	AVIGILON	Registered 8 & 15 April 21, 2014 Int'l Class: 09,37,42,45 First Use: July, 2006 Filed: February 10, 2005 Registered: March 24, 2009	76630881	3595197	Avigilon Corporation (CANADA CORP.)