

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4189091

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
GOPRO, INC.		12/15/2016
RECEIVING PARTY DATA		
Name:	JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT	
Street Address:	CIB DMO WLO, MAIL CODE NY1-C413, 4CMC	
City:	BROOKLYN	
State/Country:	NEW YORK	
Postal Code:	11245	
PROPERTY NUMBERS Total: 94		
Property Type	Number	
Patent Number:	9383628	
Patent Number:	9392194	
Patent Number:	9389487	
Patent Number:	9389491	
Patent Number:	9395031	
Patent Number:	D762759	
Patent Number:	9420173	
Patent Number:	9420182	
Patent Number:	9420174	
Patent Number:	9418396	
Patent Number:	D764566	
Patent Number:	9423673	
Patent Number:	D764567	
Patent Number:	9432561	
Patent Number:	9438799	
Patent Number:	9441781	
Patent Number:	9451727	
PCT Number:	US2016039679	
Application Number:	15196008	
Application Number:	15196015	

PATENT

Property Type	Number
Application Number:	15196025
Application Number:	15197579
Application Number:	15197596
PCT Number:	US2016040272
Application Number:	15199865
PCT Number:	US2016041149
Application Number:	62359116
Application Number:	15204375
Application Number:	15206150
Application Number:	15206600
Application Number:	15206606
Application Number:	15206611
Application Number:	15209717
Application Number:	15210849
Application Number:	15212132
Application Number:	15212322
Application Number:	62363926
Application Number:	15215397
Application Number:	62364960
Application Number:	15217185
Application Number:	15219081
Application Number:	29572186
Application Number:	15219569
Application Number:	15223319
Application Number:	62371154
Application Number:	15230236
Application Number:	62372549
Application Number:	29573648
Application Number:	15231783
Application Number:	29573647
Application Number:	15233559
Application Number:	15233936
Application Number:	15233935
Application Number:	15234869
Application Number:	15234872
Application Number:	15243379
Application Number:	15244736
Application Number:	15244690

Property Type	Number
Application Number:	15246381
Application Number:	15247273
Application Number:	15249347
Application Number:	15250898
Application Number:	15250748
Application Number:	15251980
Application Number:	15251896
Application Number:	15251571
Application Number:	15253754
Application Number:	15255099
Application Number:	62383374
Application Number:	29576703
Application Number:	15256874
Application Number:	29576880
Application Number:	29576879
Application Number:	15259512
Application Number:	15263332
Application Number:	15264216
Application Number:	15268506
Application Number:	15268514
Application Number:	62395937
Application Number:	15267102
Application Number:	62396002
Application Number:	29577981
Application Number:	15268455
Application Number:	62395932
Application Number:	62395851
Application Number:	15268147
Application Number:	62395941
Application Number:	15268447
Application Number:	29578014
Application Number:	62395953
Application Number:	62396729
Application Number:	15260550
Application Number:	15262159
Application Number:	15268038

CORRESPONDENCE DATA

Fax Number: (800)494-7512

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-370-4750

Email: ipteam@nationalcorp.com

Correspondent Name: JOANNA MCCALL

Address Line 1: 1025 VERMONT AVE NW, SUITE 1130

Address Line 2: NATIONAL CORPORATE RESEARCH, LTD

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	F167267
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NAME OF SUBMITTER:	NORA SULLIVAN
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SIGNATURE:	/Nora Sullivan/
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DATE SIGNED:	12/16/2016
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Total Attachments: 15

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PATENT AND TRADEMARK SECURITY AGREEMENT dated as of December 15, 2016 (this "Agreement"), among GOPRO, INC., a Delaware corporation (the "Company"), the OTHER GRANTORS from time to time party hereto and JPMORGAN CHASE BANK, N.A., as Administrative Agent.

Reference is made to (a) the Credit Agreement dated as of March 25, 2016 (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Company, GoPro Coöperatief U.A., a Dutch cooperative with excluded liability, having its statutory seat in Amsterdam, the Netherlands, and registered with the trade register in the Netherlands under number 61391743 (the "Dutch Borrower" and, together with the Company, the "Borrowers"), the Lenders party thereto and JPMorgan Chase Bank, N.A., as Administrative Agent, and (b) the U.S. Collateral Agreement referred to therein. The Lenders and the Issuing Banks have agreed to extend credit to the Borrowers subject to the terms and conditions set forth in the Credit Agreement. The obligations of the Lenders and the Issuing Banks to extend such credit are conditioned upon, among other things, the execution and delivery of this Agreement. The Grantors party hereto are (or are Affiliates of) the Borrowers, will derive substantial benefits from the extension of credit to the Borrowers pursuant to the Credit Agreement and are willing to execute and deliver this Agreement in order to induce the Lenders and the Issuing Banks to extend such credit. Accordingly, the parties hereto agree as follows:

SECTION 1. Terms. Each capitalized term used but not otherwise defined herein shall have the meaning specified in the Credit Agreement or the U.S. Collateral Agreement, as applicable. The rules of construction specified in Section 1.03 of the Credit Agreement also apply to this Agreement, mutatis mutandis.

SECTION 2. Grant of Security Interest. As security for the payment and performance in full of the Secured Obligations, each Grantor pursuant to the U.S. Collateral Agreement did, and hereby does, grant to the Administrative Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest in all of such Grantor's right, title and interest in, to and under any and all of the following assets now owned or at any time hereafter acquired by such Grantor or in, to or under which such Grantor now has or at any time hereafter may acquire any right, title or interest (collectively, the "Patent and Trademark Collateral"):

(a) (i) all letters patent of the United States of America or the equivalent thereof in any other country, all registrations and recordings thereof and all applications for letters patent of the United States of America or the equivalent thereof in any other country or any political subdivision thereof, including registrations, recordings and pending applications in the United States Patent and Trademark Office or any similar offices in any other country or any political subdivision thereof, including, in the case of any Grantor, any of the foregoing set forth under its name on Schedule I hereto, and (ii) all reissues, continuations, divisionals, continuations-in-part, reexaminations, supplemental examinations, inter partes reviews, renewals, adjustments or extensions thereof,

and the inventions disclosed or claimed therein, including the right to make, have made, use, sell, offer to sell, import or export the inventions disclosed or claimed therein; and

(b) (i) all trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade styles, trade dress, logos, domain names, global top level domain names, other source or business identifiers, designs and general intangibles of like nature, all registrations and recordings thereof, and all registration and recording applications filed in connection therewith, including registrations and registration applications in the United States Patent and Trademark Office or any similar office in any State of the United States of America or any other country or any political subdivision thereof, all extensions or renewals thereof, and all common law rights related thereto, including, in the case of any Grantor, any of the foregoing set forth under its name on Schedule II hereto, (ii) all goodwill associated therewith or symbolized thereby and (iii) all other assets, rights and interests that uniquely reflect or embody such goodwill.

SECTION 3. Collateral Agreement. The security interests granted to the Administrative Agent herein are granted in furtherance of, and not in limitation of, the security interests granted to the Administrative Agent pursuant to the U.S. Collateral Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the Patent and Trademark Collateral are more fully set forth in the U.S. Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the U.S. Collateral Agreement, the terms of the U.S. Collateral Agreement shall govern.

SECTION 4. Counterparts. This Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Agreement by fax, emailed pdf or any other electronic means that reproduces an image of the actual executed signature page shall be effective as delivery of a manually executed counterpart of this Agreement.

SECTION 5. Incorporation by Reference. The provisions of Sections 5.02, 5.04, 5.05, 5.09 and 5.10 of the U.S. Collateral Agreement are hereby incorporated by reference herein as if set forth in full force herein, mutatis mutandis.

[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

GOPRO, INC.,

by 

Name: Brian McGee

Title: CFO

GOPRO CARE, INC.

by 

Name: Brian McGee

Title: CFO

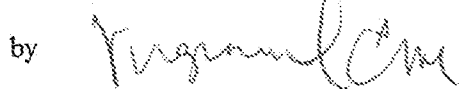
~~GOPRO CARE SERVICES, INC.~~

by 

Name: Brian McGee

Title: CFO

WOODMAN LABS CAYMAN, INC.,

by 

Name: Virginia Irvine Crowe

Title: Vice President, Finance and
Assistant Secretary

JPMORGAN CHASE BANK, N.A., as
Administrative Agent,

by 
Name: Tooy Yung
Title: Executive Director

SCHEDULE I

U.S. Patent Registrations

U.S. PATENTS OWNED BY GOPRO, INC.

Registered Owner	Type	Patent Number	Issue Date	Title
GoPro, Inc.		9,383,628	July 5, 2016	Humidity Prevention System within a Camera Housing
GoPro, Inc.		ZL 201530479420. 8	July 6, 2016	Camera Mount
GoPro, Inc.		9,392,194	July 12, 2016	Frame Manipulation to Reduce Rolling Shutter Artifacts
GoPro, Inc.		9,389,487	July 12, 2016	Protective Lens Attachment
GoPro, Inc.		9,389,491	July 12, 2016	Camera Mount with Spring Clamp
GoPro, Inc.		9,395,031	July 19, 2016	Camera Mount
GoPro, Inc.		D762,759	August 2, 2016	Camera
GoPro, Inc.		9,420,173	August 16, 2016	Camera System Dual-Encoder Architecture
GoPro, Inc.		9,420,182	August 16, 2016	Camera System Dual-Encoder Architecture
GoPro, Inc.		9,420,174	August 16, 2016	Camera System Dual-Encoder Architecture
GoPro, Inc.		9,418,396	August 16, 2016	WATERMARKING DIGITAL IMAGES TO INCREASE BIT DEPTH
GoPro, Inc.		D764,566	August 16, 2016	Camera Mount

GoPro, Inc.		9,423,673	August 23, 2016	Quick-Release Ball-and-Socket Joint Camera Mount
GoPro, Inc.		D764,567	August 23, 2016	Camera Mount
GoPro, Inc.		9,432,561	August 30, 2016	Camera Heat Sink
GoPro, Inc.		9,438,799	September 6, 2016	Compression and Decoding of Single Sensor Color Image Data
GoPro, Inc.		9,441,781	September 13, 2016	POSITIONING APPARATUS FOR PHOTOGRAPHIC AND VIDEO IMAGING AND RECORDING AND SYSTEM UTILIZING SAME
GoPro, Inc.		9,451,727	September 20, 2016	Heat Sink for a Square Camera

U.S. PATENTS OWNED BY GOPRO CARE, INC.

None.

U.S. PATENTS OWNED BY GOPRO CARE SERVICES, INC.

None.

U.S. PATENTS OWNED BY WOODMAN LABS CAYMAN, INC.

None.

U.S. Patent Applications

U.S. PATENT APPLICATIONS OF GOPRO, INC.

Registered Owner	Title	Application Number	Filing Date
GoPro, Inc.	Automatic Microphone Selection in a Sports Camera	PCT/US2016/039679	27/Jun/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR GENERATING RECOMMENDATIONS OF POST-CAPTURE USERS TO EDIT DIGITAL MEDIA CONTENT	15/196,008	28/Jun/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR GENERATING RECOMMENDATIONS OF POST-CAPTURE USERS TO EDIT DIGITAL MEDIA CONTENT	15/196,015	28/Jun/2016
GoPro, Inc.	Electronic Iris for a Camera	15/196,025	28/Jun/2016
GoPro, Inc.	Pipelined Video Interface for Remote Controlled Aerial Vehicle with Camera	15/197,579	29/Jun/2016
GoPro, Inc.	Coupling Assembly for a Removable Propeller	15/197,596	29/Jun/2016
GoPro, Inc.	Pipelined Video Interface for Remote Controlled Aerial Vehicle with Camera	PCT/US2016/040272	30/Jun/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR GENERATING STABILIZED VISUAL CONTENT USING SPHERICAL VISUAL CONTENT	15/199,865	30/Jun/2016
GoPro, Inc.	Unified Image Processing for Combined Images Based on Spatially Co-Located Zones	PCT/US2016/041149	6/Jul/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR MULTI-RESOLUTION IMAGE STITCHING	62/359,116	6/Jul/2016

GoPro, Inc.	SYSTEMS AND METHODS FOR VEHICLE GUIDANCE	15/204,375	7/Jul/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR COMPACT CONVOLUTIONAL NEURAL NETWORKS	15/206,150	8/Jul/2016
GoPro, Inc.	Camera System Dual-Encoder Architecture	15/206,600	11/Jul/2016
GoPro, Inc.	Watermarking Digital Images to Increase Bit Depth	15/206,606	11/Jul/2016
GoPro, Inc.	Drain Mechanism for Camera Controller	15/206,611	11/Jul/2016
GoPro, Inc.	Camera Peripheral Device for Supplemental Audio Capture and Remote Control of Camera	15/209,717	13/Jul/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR PROVIDING ACCESS TO STILL IMAGES DERIVED FROM A VIDEO	15/210,849	14/Jul/2016
GoPro, Inc.	Sharpening Algorithm for Images Based on Polar Coordinates	15/212,132	15/Jul/2016
GoPro, Inc.	Camera System With A Square-Profile Camera	15/212,322	18/Jul/2016
GoPro, Inc.	Cubic Transport Format for Twin-Lens Spherical Imaging	62/363,926	19/Jul/2016
GoPro, Inc.	Compression and Decoding of Single Sensor Color Image Data	15/215,397	20/Jul/2016

GoPro, Inc.	subject tracking provisional	62/364,960	21/Jul/2016
GoPro, Inc.	Positioning Apparatus for Photographic and Video Imaging and Recording and System Utilizing the Same	15/217,185	22/Jul/2016
GoPro, Inc.	Systems and Methods for Audio Based Synchronization Using Energy Vectors	15/219,081	25/Jul/2016
GoPro, Inc.	Camera Tripod Mount	29/572,186	26/Jul/2016
GoPro, Inc.	Camera Heat Sink	15/219,569	26/Jul/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR CAPTURING STITCHED VISUAL CONTENT	15/223,319	29/Jul/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR USING USERS' SPATIAL SELECTIONS OF VIDEO CONTENT	62/371,154	4/Aug/2016
GoPro, Inc.	APPARATUS AND METHODS FOR SELECTIVE CODING OF IMAGES	15/230,236	5/Aug/2016
GoPro, Inc.	Subject Tracking Systems For A Movable Imaging System	62/372,549	9/Aug/2016
GoPro, Inc.	Camera Harness	29/573,648	9/Aug/2016
GoPro, Inc.	Automated Variable Pitch Propeller Blade	15/231,783	9/Aug/2016

GoPro, Inc.	Camera Harness	29/573,647	9/Aug/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR DETERMINING ACTIVITIES PERFORMED DURING VIDEO CAPTURE	15/233,559	10/Aug/2016
GoPro, Inc.	Integrated Sensor and Lens Assembly with Post-tuning Optical Alignment	15/233,936	10/Aug/2016
GoPro, Inc.	Prism-Based Focal Plane Adjustment for Thermal Compensation in a Lens Assembly	15/233,935	10/Aug/2016
GoPro, Inc.	Equatorial Stitching of Hemispherical Images in a Spherical Image Capture System	15/234,869	11/Aug/2016
GoPro, Inc.	Heat Sink for a Square Camera	15/234,872	11/Aug/2016
GoPro, Inc.	APPARATUS AND METHODS FOR MULTI-CAMERA CONTENT TIME SYNCHRONIZATION	15/243,379	22/Aug/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR AUDIO REMIXING USING MODEL AUDIO TRACKS	15/244,736	23/Aug/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR GENERATING A VIDEO SUMMARY	15/244,690	23/Aug/2016
GoPro, Inc.	Removable Camera Mount for a Helmet	15/246,381	24/Aug/2016
GoPro, Inc.	Systems and Methods for Audio Based Synchronization Using Sound Harmonics	15/247,273	25/Aug/2016

GoPro, Inc.	Image Alignment Using a Virtual Gyroscope Model	15/249,347	26/Aug/2016
GoPro, Inc.	Swivel Camera Mount Locking Mechanism	15/250,898	29/Aug/2016
GoPro, Inc.	APPARATUS AND METHODS FOR VIDEO COMPRESSION USING MULTI-RESOLUTION SCALABLE CODING	15/250,748	29/Aug/2016
GoPro, Inc.	APPARATUS AND METHODS FOR FRAME INTERPOLATION	15/251,980	30/Aug/2016
GoPro, Inc.	APPARATUS AND METHODS FOR VIDEO IMAGE POST-PROCESSING FOR CORRECTING ARTIFACTS	15/251,896	30/Aug/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR DETERMINING A REPEATOGRAM IN A MUSIC COMPOSITION USING AUDIO FEATURES	15/251,571	30/Aug/2016
GoPro, Inc.	Augmented Reality Visualization Device	15/253,754	31/Aug/2016
GoPro, Inc.	CAMERA HOUSING WITH INTEGRATED EXPANSION MODULE	15/255,099	1/Sep/2016
GoPro, Inc.	Continuous Slanted-Edge Focus Measurement System	62/383,374	2/Sep/2016
GoPro, Inc.	Camera	29/576,703	6/Sep/2016

GoPro, Inc.	THREE-DIMENSIONAL CONVOLUTIONAL NEURAL NETWORKS FOR VIDEO HIGHLIGHT DETECTION	15/256,874	6/Sep/2016
GoPro, Inc.	Camera	29/576,880	7/Sep/2016
GoPro, Inc.	Network Communication Device	29/576,879	7/Sep/2016
GoPro, Inc.	SYSTEMS, METHODS AND APPARATUS FOR COMPRESSING VIDEO CONTENT	15/259,512	8/Sep/2016
GoPro, Inc.	APPARATUS AND METHODS FOR IMAGE ALIGNMENT	15/263,332	12/Sep/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR ADJUSTING FLIGHT CONTROL OF AN UNMANNED AERIAL VEHICLE	15/264,216	13/Sep/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR ANNOTATING A VIDEO	15/268,506	16/Sep/2016
GoPro, Inc.	SYSTEMS AND METHODS FOR ADDING A MOVING VISUAL ELEMENT TO A VIDEO	15/268,514	16/Sep/2016

GoPro, Inc.	Audio Systems For A Submersible Camera: Submersible Speaker System with A Compressible Spacer	62/395,937	
GoPro, Inc.	Noise Cancellation For Aerial Vehicle	15/267,102	
GoPro, Inc.	Generating an Audio Signal from Multiple Microphones in a Camera	62/396,002	
GoPro, Inc.	Controller Cable	29/577,981	
GoPro, Inc.	Integrated Antenna in an Aerial Vehicle	15/268,455	
GoPro, Inc.	Audio Systems For A Submersible Camera: Submersible Microphone System with A Compressible Spacer	62/395,932	
GoPro, Inc.	Vibration Damping Gimbal Sleeve for an Aerial Vehicle	62/395,851	
GoPro, Inc.	VIBRATION DAMPING GIMBAL SLEEVE FOR AN AERIAL VEHICLE	15/268,147	

GoPro, Inc.	Audio Systems For A Submersible Camera: Drainage Channel For A Submersible Camera With Drainage Ports on Two Surfaces	62/395,941	
GoPro, Inc.	Synchronized Pipeline Flight Controller	15/268,447	
GoPro, Inc.	Aerial Vehicle	29/578,014	
GoPro, Inc.	Audio Systems For A Submersible Camera: Beam Forming For Microphones On Orthogonal Faces of A Camera	62/395,953	
GoPro, Inc.	Camera Frame With Side Door	62/396,729	
GoPro, Inc.	Image Stitching in a Multi-Camera Array	15/260,550	
GoPro, Inc.	Image Taping in a Multi-camera Array	15/262,159	
GoPro, Inc.	Apparatus and Methods for Camera Alignment Model Calibration	15/268,038	16/Sep/2016

U.S. PATENT APPLICATIONS OF GOPRO CARE, INC.

None.

U.S. PATENT APPLICATIONS OF GOPRO CARE SERVICES, INC.

None.

U.S. PATENT APPLICATIONS OF WOODMAN LABS CAYMAN, INC.

None.