

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4237002

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
DIGITALGLOBE, INC.		12/22/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	BARCLAYS BANK PLC, AS COLLATERAL AGENT	
<b>Street Address:</b>	745 SEVENTH AVENUE	
<b>Internal Address:</b>	27TH FLOOR	
<b>City:</b>	NEW YORK	
<b>State/Country:</b>	NEW YORK	
<b>Postal Code:</b>	10019	
<b>PROPERTY NUMBERS Total: 78</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	7660430	
Patent Number:	7715651	
Patent Number:	7068816	
Patent Number:	8594375	
Patent Number:	5949914	
Patent Number:	7421151	
Patent Number:	7269299	
Patent Number:	7613362	
Patent Number:	8155391	
Patent Number:	7653218	
Patent Number:	7236646	
Patent Number:	7317844	
Patent Number:	6366681	
Patent Number:	6735348	
Patent Number:	6408085	
Patent Number:	8761506	
Patent Number:	8737733	
Patent Number:	9251419	
Patent Number:	9042674	

PATENT

Property Type	Number
Patent Number:	9001311
Patent Number:	8488845
Patent Number:	9230168
Patent Number:	9141872
Patent Number:	9202259
Patent Number:	9135505
Patent Number:	9147132
Patent Number:	8913826
Patent Number:	9031325
Patent Number:	9275297
Patent Number:	9032000
Patent Number:	9230169
Patent Number:	8682079
Patent Number:	9122930
Patent Number:	9195876
Patent Number:	9122708
Patent Number:	9128959
Patent Number:	9396528
Patent Number:	9396391
Patent Number:	9495618
Patent Number:	9367895
Patent Number:	9336441
Application Number:	13715483
Application Number:	13844309
Application Number:	13844493
Application Number:	14499440
Application Number:	14163008
Application Number:	62201968
Application Number:	14091412
Application Number:	14049189
Application Number:	14826740
Application Number:	14837628
Application Number:	14708129
Application Number:	14681043
Application Number:	14680495
Application Number:	14680665
Application Number:	14984613
Application Number:	14788651

Property Type	Number
Application Number:	14800644
Application Number:	14801740
Application Number:	14730227
Application Number:	14789877
Application Number:	14798893
Application Number:	14810382
Application Number:	14835736
Application Number:	14976400
Application Number:	14996831
Application Number:	15040780
Application Number:	14993074
Application Number:	14941504
Application Number:	14730176
Application Number:	15064609
Application Number:	15077886
Application Number:	15093040
Application Number:	15186171
Application Number:	15204307
Application Number:	62301554
Application Number:	15194541
Application Number:	62400001

#### CORRESPONDENCE DATA

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<b>ATTORNEY DOCKET NUMBER:</b>	039269-0475
<b>NAME OF SUBMITTER:</b>	ANGELA M. AMARU
<b>SIGNATURE:</b>	/S/ Angela M. Amaru
<b>DATE SIGNED:</b>	01/23/2017

#### Total Attachments: 11

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## **PATENT SECURITY AGREEMENT**

This PATENT SECURITY AGREEMENT (this “**Patent Security Agreement**”), dated as of December 22, 2016, is by DigitalGlobe, Inc., a Delaware corporation, DigitalGlobe Intelligence Solutions, Inc., a Delaware corporation and The Radiant Group, Inc., a Colorado corporation, each with an office located at 1300 West 120<sup>th</sup> Avenue, Westminster, Colorado 80234 (each a “**Grantor**”, and collectively, the “**Grantors**”) in favor of Barclays Bank PLC as Collateral Agent for the benefit of the Secured Parties referred to therein (in such capacity, together with its successors in such capacity, the “**Grantee**”).

WHEREAS, the Grantors and Grantee, as Administrative Agent and Collateral Agent), have entered into that certain Credit and Guaranty Agreement dated as of December 22, 2016 (as may be amended, restated, amended and restated, supplemented, or otherwise modified from time to time, the “**Credit Agreement**”), pursuant to which the Lenders thereto have severally agreed, subject to the terms and conditions set forth therein, to extend certain credit facilities to the Borrower;

WHEREAS, pursuant to that certain Security Agreement dated as of December 22, 2016 (as may be amended, restated, amended and restated, supplemented, or otherwise modified from time to time, the “**Security Agreement**”) among the Grantors and Grantee, to secure the due and prompt payment and performance by the Grantors of the Secured Obligations, each Grantor pledged and granted to the Grantee, for itself and for the benefit of the other Secured Parties, a continuing security interest in and Lien on such Grantor’s right, title and interest in and to the Collateral, including the Patent Collateral (as defined below); and

WHEREAS, pursuant to the Security Agreement, the Grantors are required to execute and deliver this Patent Security Agreement.

NOW, THEREFORE, in consideration of the premises and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, to secure the due and prompt payment and performance by the Grantors of the Secured Obligations, each Grantor hereby pledges and grants to the Grantee, for itself and for the benefit of the other Secured Parties, a continuing security interest in and Lien on such Grantor’s right, title and interest in and to the following, in each case, as to each type of property described below, whether now owned or hereafter acquired by such Grantor, wherever located and whether now or hereafter existing or arising (all of the following items or types of property being herein collectively referred to as the “**Patent Collateral**”):

- (i) all of such Grantor’s United States, international and foreign patents, patent applications, utility models, and statutory invention registrations, including, without limitation, the patents and patent applications set forth in Schedule 1 hereto (as such Schedule 1 may be supplemented from time to time), together with all reissues, divisions, continuations, continuations-in-part, extensions and reexaminations thereof, all rights therein provided by international treaties or conventions, and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

(ii) all Proceeds, products, offspring, rents, profits, royalties, revenues, issues, income, benefits, accessions, additions, substitutions and replacements of and to any of the foregoing property of such Grantor (including, without limitation, all causes of action, claims, warranties and guaranties now or hereafter held by any Grantor in respect of any of the items listed above); and

(iii) any and all claims for damages for, together with the right to sue or otherwise recover for, any past, present and future infringement, misappropriation, or other violation with respect to the foregoing.

The foregoing security interest is granted in conjunction with the security interests granted by the Grantors to the Grantee pursuant to the Security Agreement. The Grantors acknowledge and affirm that the rights and remedies of the Grantee with respect to the security interest in the Patent Collateral granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. Capitalized terms used but not defined herein have the meanings ascribed to them in the Security Agreement.

The term of this Patent Security Agreement shall be coterminous with the Security Agreement.


This Patent Security Agreement and all claims, disputes and matters arising hereunder or related hereto shall be governed by and construed under the laws of the State of New York without reference to conflict of laws provisions. The parties acknowledge the exclusive jurisdiction of the state and federal courts located within the County of New York, State of New York over controversies arising from or relating to this Patent Security Agreement.

This Patent Security Agreement and any amendment hereof may be executed in any number of counterparts and by each party on a separate counterpart, which when so executed and delivered shall be an original, but all of which together shall constitute one instrument. Delivery of an executed counterpart of a signature page to this Patent Security Agreement by electronic transmission shall be effective as delivery of an original counterpart of this Patent Security Agreement.

**[SIGNATURE PAGES FOLLOWS]**

IN WITNESS WHEREOF, the Grantors have caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the 22nd day of December, 2016.

**DIGITALGLOBE, INC.**

By:   
Name: Jose A. Torres, Jr.  
Title: Senior Vice President, CAO

**DIGITALGLOBE INTELLIGENCE  
SOLUTIONS, INC.**

By: \_\_\_\_\_  
Name: Leon Anthony Frazier  
Title: President

**THE RADIANT GROUP, INC.**

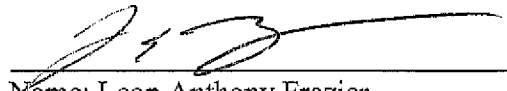
By: \_\_\_\_\_  
Name: Leon Anthony Frazier  
Title: President

IN WITNESS WHEREOF, the Grantors have caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the 22nd day of December, 2016.

**DIGITALGLOBE, INC.**

By: \_\_\_\_\_  
Name: Jose A. Torres, Jr.  
Title: Senior Vice President, CAO

**DIGITALGLOBE INTELLIGENCE  
SOLUTIONS, INC.**

By:  \_\_\_\_\_  
Name: Leon Anthony Frazier  
Title: President

**THE RADIANT GROUP, INC.**

By:  \_\_\_\_\_  
Name: Leon Anthony Frazier  
Title: President



Acknowledged:

**BARCLAYS BANK PLC**  
as Collateral Agent

By: \_\_\_\_\_



Name:

Title:

**Sean Duggan**  
**Assistant Vice President**

**Schedule 1  
to Patent Security Agreement**

**U.S. Patents and Patent Applications**

**PATENTS AND DESIGN PATENTS:**

<b>Patent Title</b>	<b>Patent No.</b>	<b>Issue Date</b>	<b>Record Owner<sup>1</sup></b>
METHOD AND APPARATUS FOR DETERMINATION OF WATER PERVIOUS SURFACES	7660430	2/9/2010	DigitalGlobe, Inc.
METHOD AND APPARATUS FOR ENHANCING A DIGITAL IMAGE	7715651	5/11/2010	DigitalGlobe, Inc.
METHOD FOR USING REMOTELY SENSED DATA TO PROVIDE AGRICULTURAL INFORMATION	7068816	6/27/2006	DigitalGlobe, Inc.
GEOSPATIAL MODEL FORECASTING OF EVENTS AND THREATS	7346597	3/18/2008	DigitalGlobe Intelligence Solutions, Inc.
TEMPORAL-INFLUENCED GEOSPATIAL MODELING SYSTEM AND METHOD	7917458	3/29/2011	DigitalGlobe Intelligence Solutions, Inc.
TEMPORAL-INFLUENCED GEOSPATIAL MODELING SYSTEM AND METHOD	8341110	12/25/2012	DigitalGlobe Intelligence Solutions, Inc.
EVENT, THREAT AND RESULT CHANGE DETECTION SYSTEM AND METHOD	7571146	8/4/2009	DigitalGlobe Intelligence Solutions, Inc.
METHOD AND SYSTEM FOR FORECASTING EVENTS AND THREATS BASED ON GEOSPATIAL MODELING	7120620	10/10/2006	DigitalGlobe Intelligence Solutions, Inc.
METHOD AND SYSTEM FOR SPATIAL BEHAVIOR MODIFICATION BASED ON GEOSPATIAL MODELING	7801842	9/21/2010	DigitalGlobe Intelligence Solutions, Inc.
TEMPORAL-INFLUENCED GEOSPATIAL MODELING SYSTEM AND METHOD	8341110	12/25/2012	DigitalGlobe Intelligence Solutions, Inc.
ADVANCED CLOUD COVER ASSESSMENT	8594375	11/26/2013	DigitalGlobe, Inc.
ENHANCING THE RESOLUTION OF MULTI-SPECTRAL IMAGE DATA WITH PANCHROMATIC IMAGE DATA USING SUPER RESOLUTION PAN-SHARPENING	5949914	9/7/1999	DigitalGlobe, Inc.
ESTIMATION OF COEFFICIENTS FOR A RATIONAL POLYNOMIAL CAMERA MODEL	7421151	9/2/2008	DigitalGlobe, Inc.
IMAGE WARP	7269299	9/11/2007	DigitalGlobe, Inc.
IMAGE WARP	7613362	11/3/2009	DigitalGlobe, Inc.

<sup>1</sup> Indicates beneficial and/or record ownership.

<b>Patent Title</b>	<b>Patent No.</b>	<b>Issue Date</b>	<b>Record Owner<sup>1</sup></b>
SEMI-AUTOMATIC EXTRACTION OF LINEAR FEATURES FROM IMAGE DATA	8155391	4/10/2012	DigitalGlobe, Inc.
SEMI-AUTOMATIC EXTRACTION OF LINEAR FEATURES FROM MULTISPECTRAL IMAGE DATA	7653218	1/26/2010	DigitalGlobe, Inc.
TONAL BALANCING OF MULTIPLE IMAGES	7236646	6/26/2007	DigitalGlobe, Inc.
TONAL BALANCING OF MULTIPLE IMAGES	7317844	1/8/2008	DigitalGlobe, Inc.
ANALYSIS OF MULTISPECTRAL DATA FOR EXTRACTION OF CHLOROPHYLL CONTENT	6366681	4/2/2002	DigitalGlobe, Inc.
APPARATUSES AND METHODS FOR MAPPING IMAGE COORDINATES TO GROUND COORDINATES	6735348	5/11/2004	DigitalGlobe, Inc.
SYSTEM FOR MATCHING NODES OF SPATIAL DATA SOURCES	6408085	6/18/2002	DigitalGlobe, Inc.
PAN SHARPENING DIGITAL IMAGERY	8761506	6/24/2014	DigitalGlobe, Inc.
HYPERSHERICAL PAN SHARPENING	8737733	5/27/2014	DigitalGlobe, Inc.
AUTOMATED METRIC INFORMATION NETWORK	9251419	2/2/2016	DigitalGlobe, Inc.
AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION	9042674	5/26/2015	DigitalGlobe, Inc.
USING PARALLAX IN REMOTE SENSING TO DETERMINE CLOUD FEATURE HEIGHT	9001311	4/7/2015	DigitalGlobe, Inc.
SEMI-AUTOMATIC EXTRACTION OF LINEAR FEATURES FROM IMAGE DATA	8488845	7/16/2013	DigitalGlobe, Inc.
AUTOMATIC GENERATION OF BUILT-UP LAYERS FROM HIGH RESOLUTION SATELLITE IMAGE DATA	9230168	1/5/2016	DigitalGlobe, Inc.
AUTOMATED AND SCALABLE OBJECT FEATURE EXTRACTION FROM IMAGERY	9141872	9/22/2015	DigitalGlobe, Inc.
AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION WITH AUTOMATIC OUTLINE GENERATION	9202259	12/1/2015	DigitalGlobe, Inc.
AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION WITH AUTOMATIC OUTLINE GENERATION	9135505	9/15/2015	DigitalGlobe, Inc.
CLASSIFICATION OF LAND BASED ON ANALYSIS OF REMOTELY-SENSED EARTH IMAGES	9147132	9/29/2015	DigitalGlobe, Inc.
ADVANCED CLOUD COVER ASSESSMENT FOR PANCHROMATIC IMAGES	8913826	12/16/2014	DigitalGlobe, Inc.
AUTOMATIC EXTRACTION OF BUILT-UP FOOTPRINTS FROM HIGH RESOLUTION OVERHEAD IMAGERY THROUGH MANIPULATION OF ALPHA-TREE DATA STRUCTURES	9031325	5/12/2015	DigitalGlobe, Inc.

[Schedule 1 to Patent Security Agreement]

<b>Patent Title</b>	<b>Patent No.</b>	<b>Issue Date</b>	<b>Record Owner<sup>1</sup></b>
DETECTING AND IDENTIFYING PARKING LOTS IN REMOTELY-SENSED IMAGES	9275297	3/1/2016	DigitalGlobe, Inc.
SYSTEM AND METHOD FOR GEOLOCATION OF SOCIAL MEDIA POSTS	9032000	5/12/2015	DigitalGlobe, Inc.
GENERATION OF HIGH RESOLUTION POPULATION DENSITY DATA SETS THROUGH EXPLOITATION OF HIGH RESOLUTION OVERHEAD IMAGERY DATA AND LOW RESOLUTION POPULATION DENSITY DATA SETS	9230169	1/5/2016	DigitalGlobe, Inc.
AUTOMATIC EXTRACTION OF BUILT-UP FOOTPRINTS FROM HIGH RESOLUTION OVERHEAD IMAGERY THROUGH MANIPULATION OF ALPHA-TREE DATA STRUCTURES	8682079	3/25/2014	DigitalGlobe, Inc.
AUTOMATED REMOTE CAR COUNTING	9122930	9/1/2015	DigitalGlobe, Inc.
OIL TANK FARM STORAGE MONITORING	9195876	11/24/2015	DigitalGlobe, Inc.
CROWDSOURCED SEARCH AND LOCATE PLATFORM	9122708	9/1/2015	DigitalGlobe, Inc.
CROWDSOURCED SEARCH AND LOCATE PLATFORM	9128959	9/8/2015	DigitalGlobe, Inc.
ATMOSPHERIC COMPENSATION IN SATELLITE IMAGERY	9396528	7/19/2016	DigitalGlobe, Inc.
AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION WITH MULTIPLE ZOOM LEVEL SUPPORT	9396391	7/19/2016	DigitalGlobe, Inc.
OBJECT DETECTION WITH TEXTURAL TO SPECTRAL DOMAIN ADAPTATION	9495618	11/15/2016	DigitalGlobe, Inc.
AUTOMATED SLIVER REMOVAL IN ORTHOMOSAIC GENERATION	9367895	6/14/2016	DigitalGlobe, Inc.
BATHYMETRIC TECHNIQUES USING SATELLITE IMAGERY	9336441	5/10/2016	DigitalGlobe, Inc.
MULTIPLE USE DATA ENTRY SYSTEM AND METHOD	9201560	12/1/2015	The Radiant Group, Inc.
GEO-LOCATION VIDEO ARCHIVE SYSTEM AND METHOD	9196307	11/24/2015	The Radiant Group, Inc.
GEO-LOCATION VIDEO ARCHIVE SYSTEM AND METHOD	8880718	11/4/2014	The Radiant Group, Inc.
AUTOMATED BIOMETRIC SUBMISSION AND IMPROVED SCANNING SYSTEM AND METHOD	8699764	4/15/2014	The Radiant Group, Inc.
MOBILE IDENTIFICATION SYSTEM AND METHOD	8655032	2/18/2014	The Radiant Group, Inc.
AUTOMATED BIOMETRIC IDENTIFICATION SYSTEM (ABIS) AND METHOD	8571276	10/29/2013	The Radiant Group, Inc.

[Schedule 1 to Patent Security Agreement]

**U.S. PATENT APPLICATIONS:**

Patent Title	App No.	App. Date	Assignee Name
DUAL-Q IMAGING SYSTEM	13/715,483	12/14/2012	DigitalGlobe, Inc.
MODELED ATMOSPHERIC CORRECTION OBJECTS	13/844,309	3/15/2013	DigitalGlobe, Inc.
ESTIMATION OF FINE STRUCTURE WITHIN PIXELS IN SATELLITE IMAGERY	13/844,493	3/15/2013	DigitalGlobe, Inc.
MULTI-SPECTRAL IMAGE LABELING WITH RADIOMETRIC ATTRIBUTE VECTORS OF IMAGE SPACE REPRESENTATION COMPONENTS	14/499,440	9/29/2014	DigitalGlobe, Inc.
AUTOMATED COMPOUND STRUCTURE CHARACTERIZATION IN OVERHEAD IMAGERY	14/163,008	1/24/2014	DigitalGlobe, Inc.
CHOREOGRAPHING AUTOMATED AND MANUAL PROCESSES IN SUPPORT OF MOSAIC GENERATION	62/201,968	8/6/2015	DigitalGlobe, Inc.
MODULAR IMAGE MINING AND SEARCH	14/091,412	11/27/2013	DigitalGlobe, Inc.
CROWDSOURCED IMAGE ANALYSIS PLATFORM	14/049,189	10/8/2013	DigitalGlobe, Inc.
AUTOMATED AND SCALABLE OBJECT AND FEATURE EXTRACTION FROM IMAGERY	14/826,740	8/14/2015	DigitalGlobe, Inc.
CLASSIFICATION OF LAND BASED ON ANALYSIS OF REMOTELY-SENSED EARTH IMAGES	14/837,628	8/27/2015	DigitalGlobe, Inc.
AUTOMATED TONAL BALANCING	14/708,129	5/8/2015	DigitalGlobe, Inc.
ADVANCED SEMI-AUTOMATED VECTOR EDITING IN TWO AND THREE DIMENSIONS	14/681,043	4/7/2015	DigitalGlobe, Inc.
CROWDSOURCED FEATURE IDENTIFICATION AND ORTHORECTIFICATION	14/680,495	4/7/2015	DigitalGlobe, Inc.
LARGE SCALE CROWDSOURCING OF MAP DATA CLEANUP AND CORRECTION, SYSTEM AND METHOD FOR	14/680,665	4/7/2015	DigitalGlobe, Inc.
AUTOMATED METRIC INFORMATION NETWORK	14/984,613	12/30/2015	DigitalGlobe, Inc.
ENHANCED GEOSPATIAL MODELING USING RASTER DATA	14/788,651	6/30/2015	DigitalGlobe, Inc.
INTEGRATED ARCHITECTURE FOR NEAR -REAL-TIME SATELLITE IMAGING APPLICATIONS	14/800,644	7/15/2015	DigitalGlobe, Inc.
COMBINING GEOGRAPHICAL AND ECONOMIC DATA EXTRACTED FROM SATELLITE IMAGERY FOR USE IN PREDICTIVE MODELING, SYSTEM AND METHOD FOR	14/801,740	7/16/2015	DigitalGlobe, Inc.
SEMI-AUTOMATED EDITING OF ORTHO-	14/730,227	6/3/2015	DigitalGlobe, Inc.

[Schedule 1 to Patent Security Agreement]

Patent Title	App No.	App. Date	Assignee Name
MOSAICS BUILT FROM REMOTELY-SENSED IMAGERY, SYSTEM AND METHODS FOR			
AUTOMATED SEAMLINE CONSTRUCTION FOR HIGH-QUALITY HIGH-RESOLUTION ORTHOMOSAICS	14/789,877	7/1/2015	DigitalGlobe, Inc.
AUTOMATED CONVERSION OF TWO-DIMENSIONAL HYDROLOGY VECTOR MODELS INTO VALID THREE-DIMENSIONAL HYDROLOGY VECTOR MODELS	14/789,893	7/1/2015	DigitalGlobe, Inc.
GLOBAL-SCALE OBJECT DETECTION USING SATELLITE IMAGERY	14/810,382	7/27/2015	DigitalGlobe, Inc.
BROAD AREA GEOSPATIAL OBJECT DETECTION USING AUTOGENERATED DEEP LEARNING MODELS	14/835,736	8/26/2015	DigitalGlobe, Inc.
GENERATION OF HIGH RESOLUTION POPULATION DENSITY THROUGH EXPLOITATION OF HIGH RESOLUTION OVERHEAD IMAGERY DATA AND LOW RESOLUTION POPULATION DENSITY DATA SETS	14/976,400	12/21/2015	DigitalGlobe, Inc.
AUTOMATIC EXTRACTION OF BUILT-UP FOOTPRINTS FROM HIGH RESOLUTION OVERHEAD IMAGERY THROUGH MANIPULATION OF ALPHA-TREE DATA STRUCTURES	14/996,831	1/15/2016	DigitalGlobe, Inc.
AUTOMATED SLIVER REMOVAL IN ORTHOMOSAIC GENERATION	15/040,780	2/10/2016	DigitalGlobe, Inc.
AUTOMATED REGISTRATION OF THREE-DIMENSIONAL VECTORS TO THREE-DIMENSIONAL LINEAR FEATURES IN REMOTELY-SENSED DATA	14/993,074	1/11/2016	DigitalGlobe, Inc.
GLOBAL-SCALE DAMAGE DETECTION USING SATELLITE IMAGERY	14/941,504	11/13/2015	DigitalGlobe, Inc.
SOME AUTOMATED AND SEMI-AUTOMATED TOOLS FOR LINEAR FEATURE EXTRACTION IN TWO AND THREE DIMENSIONS	14/730,176	6/3/2015	DigitalGlobe, Inc.
AUTOMATED REMOTE CAR COUNTING	15/064,609	3/9/2016	DigitalGlobe, Inc.
ENHANCED CROWDSOURCED SEARCH AND LOCATE PLATFORM	15/077,886	3/22/2016	DigitalGlobe, Inc.
BATHYMETRIC TECHNIQUES USING SATELLITE IMAGERY	15/093,040	4/7/2016	DigitalGlobe, Inc.
ATMOSPHERIC COMPENSATION IN SATELLITE IMAGERY	15/186,171	6/17/2016	DigitalGlobe, Inc.
AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION WITH MULTIPLE ZOOM LEVEL SUPPORT	15/204,307	7/7/2016	DigitalGlobe, Inc.
GEO-LOCATION VIDEO ARCHIVE SYSTEM AND METHOD	14/679,808	4/6/2015	The Radiant Group, Inc.
MULTIPLE USER DATA ENTRY SYSTEM AND METHOD	14/956,077	12/1/2015	The Radiant Group, Inc.

[Schedule 1 to Patent Security Agreement]

Patent Title	App No.	App. Date	Assignee Name
SYNTHESIZING TRAINING DATA FOR BROAD AREA GEOSPATIAL OBJECT DETECTION	62/301,554	2/29/2016	DigitalGlobe, Inc.
SYNTHESIZING TRAINING DATA FOR BROAD AREA GEOSPATIAL OBJECT DETECTION	15/194,541	6/27/2016	DigitalGlobe, Inc.
TECHNIQUES FOR IMAGE CO-REGISTRATION	62/400,001	9/26/2016	DigitalGlobe, Inc.

[Schedule 1 to *Patent Security Agreement*]

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**RECORDED: 01/23/2017**

**PATENT**  
**REEL: 041069 FRAME: 0924**