

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4404387

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
NAGRAVISION S.A.		05/08/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NAGRAVISION S.A.	
<b>Street Address:</b>	ROUTE DE GENÈVE 22 - 24	
<b>City:</b>	CHESEAU-SUR-LAUSANNE	
<b>State/Country:</b>	SWITZERLAND	
<b>Postal Code:</b>	CH-1033	
<b>PROPERTY NUMBERS Total: 7</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	6154172	
Patent Number:	7792297	
Patent Number:	8352601	
Patent Number:	7283672	
Patent Number:	7630556	
Patent Number:	7630557	
Patent Number:	8064706	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(612)339-3061	
<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>		
<b>Email:</b>	mvoth@slwip-rc.com	
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER, P.A.	
<b>Address Line 1:</b>	P.O. BOX 2938	
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402	
<b>ATTORNEY DOCKET NUMBER:</b>	2050.000001	
<b>NAME OF SUBMITTER:</b>	MICHELLE VOTH	
<b>SIGNATURE:</b>	/Michelle Voth/	
<b>DATE SIGNED:</b>	05/09/2017	
<b>Total Attachments: 19</b>		

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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 2050.000001

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Nagravision S.A.

Additional name(s) of conveying party(ies) attached?

[ ] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: May 8, 2017

2. Name and address of receiving party(ies):

Name: Nagravision S.A.

Street Address: Route de Genève 22 - 24

City: Cheseaux-sur-Lausanne State: Zip: CH-1033

Country: Switzerland

Additional name(s) & address(es) attached? [ ] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

6154172  
7792297  
8352601  
7283672  
7630556  
7630557  
8064706

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Joseph J. Wang

Address:

Schwegman Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 7

7. Total fee (37 CFR 3.41): \$ 0.00

[ ] Enclosed

[ ] Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

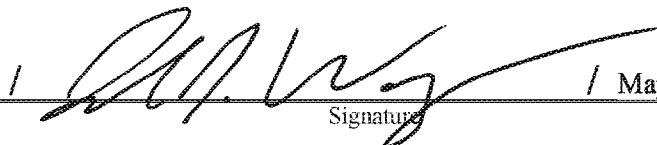
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Joseph J. Wang/Reg. No. 61,123

Name of Person Signing



Signature

May 9, 2017

Date

Total number of pages including cover sheet: 19

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

PATENT

REEL: 042295 FRAME: 0003

### AMENDED ASSIGNMENT

WHEREAS, Nagravision S.A., an entity organized and existing under and by virtue of the laws of Switzerland, and having an office and place of business at Route de Genève 22-24, Cheseaux-sur-Lausanne CH-1033, Switzerland (hereinafter "Nagravision"), is the owner of assets identified in Exhibit A (hereinafter collectively "Assigned Patent Properties"), including all inventions and other subject matter described in the Assigned Patent Properties, and also is the owner of assets identified in Exhibit B (hereinafter collectively "Retained Patent Properties"), including all inventions and other subject matter described in the Assigned Patent Properties;

AND WHEREAS, OpenTV, Inc., an entity organized and existing under and by virtue of the laws of Delaware, United States of America, and having an office and place of business at 275 Sacramento Street, San Francisco, CA 94111, United States of America (hereinafter "OpenTV"), is desirous of acquiring the entire right, title and interest in and to the Assigned Patent Properties, including all inventions and other subject matter described therein, and any patent to be obtained in relation therefor;

AND WHEREAS, Nagravision S.A. intends to retain the entire right, title and interest in and to the Retained Patent Properties, including all inventions and other subject matter described therein, and any patent to be obtained in relation therefor

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Nagravision hereby:

ASSIGNS, CONVEYS AND TRANSFERS to OpenTV Nagravision's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Assigned Patent Properties, including all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of the Assigned Patent Properties;

all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions, based in whole or in part on any of the Assigned

ASSIGNMENT

Attorney Docket No. 2050.000001

Page 2 of 9

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Patent Properties (including any application for a utility model or an innovation patent application);

the right to claim priority to the Assigned Patent Properties in relation to subject matter based in whole or in part on the Assigned Patent Properties and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and the right to all causes of action, remedies, and other enforcement rights related to the Assigned Patent Properties, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the Assigned Patent Properties and any of the foregoing, including the right to obtain and collect damages and/or royalties due for past, present, or future infringement;

AUTHORIZES AND REQUESTS the issuing authority to issue any and all United States and foreign patents granted on the Assigned Patent Properties to OpenTV;

AUTHORIZES AND REQUESTS that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 44367 may (directly or through his/her designee) delete, insert, or alter any information related to the Assigned Patent Properties or any of the foregoing, after execution of this Assignment;

WARRANTS AND COVENANTS that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by Nagravision, and that the full right to convey the same as herein expressed is possessed by Nagravision;

COVENANTS, that when requested and without compensation, but at the expense of OpenTV, in order to carry out in good faith the intent and purpose of this Assignment, Nagravision shall (1) secure cooperation from all present and former employees and/or inventors contributing or having contributed to the Assigned Patent Properties; (2) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Assigned Patent Properties; (3) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Assigned Patent Properties; (4) communicate to OpenTV all facts known to Nagravision relating to the Assigned Patent Properties and

ASSIGNMENT

Attorney Docket No. 2050.000001

Page 3 of 9

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the history thereof; (5) cooperate with OpenTV in any interference, reexamination, review proceeding, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Assigned Patent Properties; and (6) take such further actions as OpenTV shall reasonably consider necessary or desirable for vesting title to the Assigned Patent Properties in OpenTV, or for securing, maintaining and enforcing proper patent protection for the Assigned Patent Properties; and

COVENANTS, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, NagraVision, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

TO THE EXTENT, and only to the extent, that OpenTV is deemed to have any ownership interest in the Retained Patent Properties, and without making any warranty whatsoever regarding the Retained Patent Properties or OpenTV's ownership interest in the Retained Patent Properties, for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, OpenTV hereby:

ASSIGNS, CONVEYS AND TRANSFERS to NagraVision OpenTV's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Retained Patent Properties, including all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of the Retained Patent Properties;

all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions, based in whole or in part on any of the Retained Patent Properties (including any application for a utility model or an innovation patent application);

ASSIGNMENT

Attorney Docket No. 2050.000001

Page 4 of 9

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the right to claim priority to the Retained Patent Properties in relation to subject matter based in whole or in part on the Retained Patent Properties and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and the right to all causes of action, remedies, and other enforcement rights related to the Retained Patent Properties, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the Retained Patent Properties and any of the foregoing, including the right to obtain and collect damages and/or royalties due for past, present, or future infringement;

AUTHORIZES AND REQUESTS the issuing authority to issue any and all United States and foreign patents granted on the Retained Patent Properties to Nagravision;

AUTHORIZES AND REQUESTS that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 44367 may (directly or through his/her designee) delete, insert, or alter any information related to the Retained Patent Properties or any of the foregoing, after execution of this Assignment;

WARRANTS AND COVENANTS that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by OpenTV, and that the full right to convey the same as herein expressed is possessed by OpenTV;

COVENANTS, that when requested and without compensation, but at the expense of Nagravision, in order to carry out in good faith the intent and purpose of this Assignment, OpenTV shall (1) secure cooperation from all present and former employees and/or inventors contributing or having contributed to the Assigned Patent Properties; (2) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Assigned Patent Properties; (3) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Assigned Patent Properties; (4) communicate to Nagravision all facts known to OpenTV relating to the Assigned Patent Properties and the history thereof; (5) cooperate with Nagravision in any interference, reexamination,

ASSIGNMENT

Attorney Docket No. 2050.000001

Page 5 of 9

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review proceeding, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Assigned Patent Properties; and (6) take such further actions as NagraVision shall reasonably consider necessary or desirable for vesting title to the Retained Patent Properties in NagraVision, or for securing, maintaining and enforcing proper patent protection for the Assigned Patent Properties; and

COVENANTS, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, OpenTV, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the assigns, representatives, and successors of NagraVision, and is to extend to the benefit of the successors, assigns, and nominees of OpenTV.

AGREED to by NagraVision as of the Date of the Signature Below:

NagraVision:

NagraVision S.A.

Signature: \_\_\_\_\_

Printed Name: Pierre Roy

Title: Executive Vice President & Chief Operating  
Office DTV

Signature: \_\_\_\_\_

Printed Name: Christophe Nicolas

Title: Chief Information Officer

Date: 08 May 2017



ASSIGNMENT

Attorney Docket No. 2050.000001

Page 6 of 9

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ACCEPTED by OpenTV as of the Date of the Signature Below:

OpenTV:

OpenTV, Inc.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## EXHIBIT A

### ASSIGNED PATENT PROPERTIES

#### Reisman Portfolio

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
1	7062561	US09/576927	US	Active	5/23/2000	6/13/2006
1	7461155	US11/361358	US	Active	2/24/2006	12/2/2008
1	8255541	US12/261419	US	Active	10/30/2008	8/28/2012
1	9158764	US13/560809	US	Active	7/27/2012	10/13/2015
2	7062488	US09/651243	US	Active	8/30/2000	6/13/2006
2	6954755	US10/410352	US	Active	4/10/2003	10/11/2005
2	8185545	US11/353040	US	Active	2/14/2006	5/22/2012
2	8849842	US13/451465	US	Active	4/19/2012	9/30/2014

Rocksteady Portfolio

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
1	7590728	US11/076652	US	Active	3/10/2005	9/15/2009
1	8019866	US12/536700	US	Active	8/6/2009	9/13/2011
1	8060607	US12/752564	US	Active	4/1/2010	11/15/2011
1	8543693	US13/249578	US	Active	9/30/2011	9/24/2013
1	8977747	US14/032460	US	Active	9/20/2013	3/10/2015

**EXHIBIT B****RETAINED PATENT PROPERTIES****Geocom Portfolio**

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
1	6154172	US09/052746	US	Active	3/31/1998	11/28/2000
1	7792297	US09/647635	US	Active	3/30/1999	9/7/2010
1	8352601	US12/807464	US	Active	9/3/2010	1/8/2013

**Imagio Portfolio**

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
1	7283672	US09/681948	US	Active	6/29/2001	10/16/2007
1	7630556	US11/684651	US	Active	3/12/2007	12/8/2009
1	7630557	US11/684652	US	Active	3/12/2007	12/8/2009
1	8064706	US12/623390	US	Active	11/21/2009	11/22/2011

## AMENDED ASSIGNMENT

WHEREAS, Nagravision S.A., an entity organized and existing under and by virtue of the laws of Switzerland, and having an office and place of business at Route de Genève 22-24, Cheseaux-sur-Lausanne CH-1033, Switzerland (hereinafter "Nagravision"), is the owner of assets identified in Exhibit A (hereinafter collectively "Assigned Patent Properties"), including all inventions and other subject matter described in the Assigned Patent Properties, and also is the owner of assets identified in Exhibit B (hereinafter collectively "Retained Patent Properties"), including all inventions and other subject matter described in the Assigned Patent Properties;

AND WHEREAS, OpenTV, Inc., an entity organized and existing under and by virtue of the laws of Delaware, United States of America, and having an office and place of business at 275 Sacramento Street, San Francisco, CA 94111, United States of America (hereinafter "OpenTV"), is desirous of acquiring the entire right, title and interest in and to the Assigned Patent Properties, including all inventions and other subject matter described therein, and any patent to be obtained in relation therefor;

AND WHEREAS, Nagravision S.A. intends to retain the entire right, title and interest in and to the Retained Patent Properties, including all inventions and other subject matter described therein, and any patent to be obtained in relation therefor

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ASSIGNMENT

Attorney Docket No. 2050.000001

Page 2 of 9

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Patent Properties (including any application for a utility model or an innovation patent application);

the right to claim priority to the Assigned Patent Properties in relation to subject matter based in whole or in part on the Assigned Patent Properties and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and the right to all causes of action, remedies, and other enforcement rights related to the Assigned Patent Properties, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the Assigned Patent Properties and any of the foregoing, including the right to obtain and collect damages and/or royalties due for past, present, or future infringement;

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WARRANTS AND COVENANTS that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by Nagravision, and that the full right to convey the same as herein expressed is possessed by Nagravision;

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Attorney Docket No. 2050.000001

Page 3 of 9

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Attorney Docket No. 2050.000001

Page 4 of 9

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AGREED to by Nagravision as of the Date of the Signature Below:

Nagravision:

Nagravision S.A.

Signature: \_\_\_\_\_

Printed Name:

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name:

Title: \_\_\_\_\_

Date: \_\_\_\_\_

ASSIGNMENT

Attorney Docket No. 2050.000001

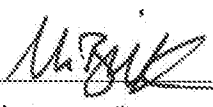
Page 6 of 9

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ACCEPTED by OpenTV as of the Date of the Signature Below:

OpenTV:

OpenTV, Inc.

Signature: 

Printed Name: MARK BEAULIEU

Title: SENIOR VICE PRESIDENT

Date: MAY 5, 2017

**EXHIBIT A****ASSIGNED PATENT PROPERTIES**

## Reisman Portfolio

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
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2	7062488	US09/651243	US	Active	8/30/2000	6/13/2006
2	6954755	US10/410352	US	Active	4/10/2003	10/11/2005
2	8185545	US11/353040	US	Active	2/14/2006	5/22/2012
2	8849842	US13/451465	US	Active	4/19/2012	9/30/2014

# Rocksteady Portfolio

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
1	7590728	US11/076652	US	Active	3/10/2005	9/15/2009
1	8019866	US12/536700	US	Active	8/6/2009	9/13/2011
1	8060607	US12/752564	US	Active	4/1/2010	11/15/2011
1	8543693	US13/249578	US	Active	9/30/2011	9/24/2013
1	8977747	US14/032460	US	Active	9/20/2013	3/10/2015

**EXHIBIT B****RETAINED PATENT PROPERTIES****Geocom Portfolio**

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
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1	7792297	US09/647635	US	Active	3/30/1999	9/7/2010
1	8352601	US12/807464	US	Active	9/3/2010	1/8/2013

**Imagio Portfolio**

Family	Patent No.	App. Number	Country	Application Status	File Date	Issue Date
1	7283672	US09/681948	US	Active	6/29/2001	10/16/2007
1	7630556	US11/684651	US	Active	3/12/2007	12/8/2009
1	7630557	US11/684652	US	Active	3/12/2007	12/8/2009
1	8064706	US12/623390	US	Active	11/21/2009	11/22/2011