

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM511342

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Silicon Valley Bank, as Bank		02/22/2019	Corporation: CALIFORNIA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Roku, Inc.		
<b>Street Address:</b>	150 Winchester Circle		
<b>City:</b>	Los Gatos		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95032		
<b>Entity Type:</b>	Corporation: DELAWARE		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4102030	STOP DREAMING. START STREAMING.	
<b>Registration Number:</b>	4102031	THERE'S A TON OF ENTERTAINMENT IN THIS L	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>			
<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>Phone:</b>	800-494-5225		
<b>Email:</b>	ipteam@cogencyglobal.com		
<b>Correspondent Name:</b>	Stewart Walsh		
<b>Address Line 1:</b>	1025 Vermont Ave NW, Suite 1130		
<b>Address Line 2:</b>	Cogency Global Inc.		
<b>Address Line 4:</b>	Washington, D.C. 20005		
<b>ATTORNEY DOCKET NUMBER:</b>	1050107 TM H		
<b>NAME OF SUBMITTER:</b>	Brandon Okun		
<b>SIGNATURE:</b>	/Brandon Okun/		
<b>DATE SIGNED:</b>	02/25/2019		
<b>Total Attachments: 27</b>			
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**TERMINATION AND RELEASE OF  
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This **TERMINATION AND RELEASE OF INTELLECTUAL PROPERTY SECURITY AGREEMENT** (this “*Termination and Release*”) is dated as of February 22, 2019 by **SILICON VALLEY BANK** (“*Bank*”), in favor of **ROKU, INC.**, a Delaware corporation (“*Grantor*”).

**WHEREAS**, pursuant to a Loan and Security Agreement dated as of January 20, 2009 by and between Grantor and Bank, Grantor executed and delivered an Intellectual Property Security Agreement, dated as of January 20, 2009 (as amended, restated, supplemented or otherwise modified prior to the date hereof, the “*2009 Agreement*”), granting and pledging to the Bank a security interest in all of Grantor’s right, title and interest in, to certain intellectual property, which was recorded with (i) the Patent division of the United States Patent and Trademark Office (“*USPTO*”) on February 9, 2009 at Reel 022266, Frame 0112 and on July 20, 2010 at Reel 024711, Frame 0260 and (ii) the Trademark division of the USPTO on February 12, 2009 at Reel 3951, Frame 0131 and on July 20, 2010 at Reel 4245, Frame 0237;

**WHEREAS**, pursuant to a Loan and Security Agreement dated as of July 26, 2010 by and between Grantor and Bank, Grantor executed and delivered (a) an Intellectual Property Security Agreement, dated as of July 26, 2010 (as amended, restated, supplemented or otherwise modified prior to the date hereof, the “*2010 Agreement*”), granting and pledging to the Bank a security interest in all of Grantor’s right, title and interest in, to certain intellectual property, (b) an Intellectual Property Security Agreement, dated as of April 27, 2012 (as amended, restated, supplemented or otherwise modified prior to the date hereof, the “*April 2012 Agreement*”), granting and pledging to the Bank a security interest in all of Grantor’s right, title and interest in, to certain intellectual property, which was recorded with the United States Copyright Office (“*USCO*”) on May 9, 2012 at Volume 3605 Doc No. 937, (c) an Addendum to Intellectual Property Security Agreement, dated as of May 31, 2012 (as amended, restated, supplemented or otherwise modified prior to the date hereof, the “*May 2012 Addendum Agreement*”), granting and pledging to the Bank a security interest in all of Grantor’s right, title and interest in, to certain intellectual property, which was recorded with (i) the Patent division of the USPTO on June 4, 2012 at Reel 028316, Frame 0958; (ii) the Trademark division of the USPTO on June 4, 2012 at Reel 4794, Frame 0322 and (iii) the USCO on June 11, 2012 at Volume 3616 Doc No. 819;

**WHEREAS**, pursuant to an Amended and Restated Loan and Security Agreement dated as of November 18, 2014 by and between Grantor and Bank, Grantor executed and delivered (a) an Addendum to Intellectual Property Security Agreement, dated as of May 14, 2015 (as amended, restated, supplemented or otherwise modified prior to the date hereof, the “*2015 Agreement*”), granting and pledging to the Bank a security interest in all of Grantor’s right, title and interest in, to certain intellectual property, which was recorded with (i) the Patent division of the USPTO on June 1, 2015 at Reel 035753, Frame 0739 and (ii) the Trademark division of the USPTO on June 1, 2015 at Reel 5526, Frame 0959 and (b) an Amended and Restated Intellectual Property Security Agreement, dated as of June 9, 2017 (as amended, restated, supplemented or otherwise modified prior to the date hereof, the “*A&R IP Agreement*”, together with the 2009 Agreement, the 2010 Agreement, the April 2012 Agreement, the Addendum 2012 Agreement,

and the 2015 Agreement, each individually and collectively, jointly and severally, the “*Intellectual Property Security Agreement*”), granting and pledging to the Bank a security interest in all of Grantor’s right, title and interest in, to and under certain intellectual property, which was recorded with (i) the Patent division of the USPTO on June 12, 2017 at Reel 042768, Frame 0268, (ii) the Trademark division of the USPTO on June 12, 2017 at Reel 6082, Frame 0256, and (iii) the USCO on June 13, 2017 at Volume 9949 Doc No. 778;

**WHEREAS**, Grantor has requested that Bank hereby terminate the Intellectual Property Security Agreement as herein provided; and

**WHEREAS**, Grantor has requested that the Bank provide a document suitable for recording with the USPTO and USCO to evidence the termination of the Intellectual Property Security Agreement as herein provided.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Bank hereby:

1. terminates the Intellectual Property Security Agreement and releases, terminates and discharges the liens on and security interests in Grantor’s right, title and interest in, to and under the intellectual property as granted in the Intellectual Property Security Agreement, including those copyrights and copyright applications, patents and patent applications, and trademarks and trademark applications identified in Schedule I hereto; and
2. authorizes and requests that this Termination and Release be recorded with the USPTO and USCO.

THIS TERMINATION AND RELEASE SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF CALIFORNIA (INCLUDING, WITHOUT LIMITATION, SECTION 5-1401 OF THE GENERAL OBLIGATIONS LAW) WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPLES.

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has executed this Termination and Release by its duly authorized officer as of the date first above written.

SILICON VALLEY BANK, as Bank

By: *Kyle Larrabee*  
Name: Kyle Larrabee  
Title: Vice President

[Signature Page to Termination and Release of Intellectual Property Security Agreement]

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TRADEMARK  
REEL: 006571 FRAME: 0793

SCHEDULE I TO  
TERMINATION AND RELEASE OF INTELLECTUAL PROPERTY SECURITY  
AGREEMENT

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**VOLUME/DOC No.: 3605/937**

Registration No.	Title:
VA 1-793-137	Visual Material Roku XD
VA 1-793-140	Visual Material Roku XDS

**VOLUME/DOC No.: 3616/819**

Registration No.	Title:
VA 1-793-137	Visual Material Roku XD
VA 1-793-140	Visual Material Roku XDS

**VOLUME/DOC No.: 9949/778**

Registration No.	Title:
VA 1-793-137	Visual Material Roku XD
VA 1-793-140	Visual Material Roku XDS

SCHEDULE I TO  
TERMINATION AND RELEASE OF INTELLECTUAL PROPERTY SECURITY  
AGREEMENT

**PATENTS**

**REEL/FRAME: 022266/0112**

Patent	Publication	Application
	<b>1. UNIVERSAL MUSIC APPARATUS FOR UNIFYING ACCESS TO MULTIPLE SPECIALIZED MUSIC SERVERS</b> Inventors: ANTHONY JOHN WOOD, MICHAEL JOSEPH KOB, GREGORY MACK GARNER, DANIEL SLETTEN, DONALD ROBERT WOODWARD JR.	
None	20060253547 Nov 9, 2006	11327180 Jan 6, 2006
	<b>2. GRAPHICAL USER INTERFACE COMPUTER ICON FOR A MONITOR DISPLAY</b> Inventors: SUSAN WOOD, DOUGLAS GLEN SHANNON, MICHAEL JOSEPH KOB, ANTHONY JOHN WOOD	
DS46337 Jul 10, 2007		29213529 Sep 17, 2004
	<b>3. UNIVERSAL MUSIC PLAYER</b> Inventors: ANTHONY JOHN WOOD, DANIEL KENDALL HARDEN	
D558781 Jan 1, 2008		29220974 Jan 7, 2005

**REEL/FRAME: 024711/0260**

Patent	Publication	Application
	<b>1. METHOD, APPARATUS, SYSTEM AND COMPUTER READABLE MEDIUM FOR PROVIDING A UNIVERSAL MEDIA INTERFACE TO CONTROL A UNIVERSAL MEDIA APPARATUS</b> Inventors: ANTHONY JOHN WOOD, MICHAEL JOSEPH KOB, GREGORY MACK GARNER, DANIEL SLETTEN, DONALD ROBERT WOODWARD JR.	
None	20090125609 May 14, 2009	11479156 Jun 29, 2006

**REEL/FRAME: 028316/0958**

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>1. APPARATUS AND METHOD FOR PRESENTATION OF PORTABLY-STORED CONTENT ON AN HIGH-DEFINITION DISPLAY</b> Inventors: ANTHONY JOHN WOOD, DONALD ROBERT WOODWARD JR., DOUGLAS GLEN SHANNON, DANIEL SLETTEN, PATRICK MICHAEL ELLIS, GREGORY MACK GARNER, MICHAEL JOSEPH KOB		
None	20050062888 Mar 24, 2005	10665978 Sep 19, 2003
<b>2. APPARATUS AND METHOD FOR MULTI-USER CONSTRUCTION OF TAGGED VIDEO DATA</b> Inventors: GREG GARNER, DAVID WESTERHOFF, MARK GOODWIN, WENDY ABOWD, PATRICK ELLIS		
None	20120131624 May 24, 2012	12952958 Nov 23, 2010
<b>3. APPARATUS AND METHOD FOR AGGREGATING MEDIA CONTENT</b> Inventors: ANTHONY WOOD		
9807462 Oct 31, 2017	20120260291 Oct 11, 2012	13082256 Apr 7, 2011
<b>4. METHOD AND APPARATUS FOR CUSTOMIZED PROVISIONING OF ON-LINE APPLICATION CHANNELS</b> Inventors: ANTHONY WOOD, DAVID STERN, DAVID WESTERHOFF, BILL ATARAS, MARK GOODWIN, AARON GRAHAM, MATT EMERSON, KEVIN PHILLIPS		
8788578 Jul 22, 2014	20130018938 Jan 17, 2013	13180375 Jul 11, 2011
<b>5. INTERNET ACCESS CARD FOR DEPLOYMENT WITHIN A TELEVISION</b> Inventors: GREG GARNER, ANTHONY WOOD, LLOYD KLARKE, CARL SASSEN RATH		
None	20130111537 May 2, 2013	13286122 Oct 31, 2011
<b>6. STREAMING MEDIA SYSTEM</b> Inventors: LLOYD KLARKE, GREG GARNER, CARL SASSEN RATH, ANTHONY WOOD		
9131260 Sep 8, 2015	20130111521 May 2, 2013	13340507 Dec 29, 2011
<b>7. MULTI-INTERFACE STREAMING MEDIA SYSTEM</b> Inventors: LLOYD KLARKE, GREG GARNER, CARL SASSEN RATH, ANTHONY WOOD, SCOTT EDWARD DE HAAS		



<b>Patent</b>	<b>Publication</b>	<b>Application</b>
9286854 Mar 15, 2016	20130111533 May 2, 2013	13347619 Jan 10, 2012
<b>8. METHOD AND APPARATUS FOR IDENTIFYING AND RECOMMENDING CONTENT</b> Inventors: GREGORY MACK GARNER, DAVID A. WESTERHOFF, WENDY M. ABOWD, THOMAS C. MARKSWORTH, PATRICK ELLIS, JONATHAN COLORADO CRISWELL		
None	20130262431 Oct 3, 2013	13431866 Mar 27, 2012
<b>9. METHOD AND APPARATUS FOR RECURRING CONTENT SEARCHES AND VIEWING WINDOW NOTIFICATION</b> Inventors: MARK GOODWIN, THOMAS C. MARKSWORTH, JONATHAN COLORADO CRISWELL		
8938755 Jan 20, 2015	20130262619 Oct 3, 2013	13431886 Mar 27, 2012
<b>10. METHOD AND APPARATUS FOR DYNAMIC PRIORITIZATION OF CONTENT THROUGH INTERACTIVE BROWSING</b> Inventors: ANTHONY JOHN WOOD, DAVID A. WESTERHOFF, JONATHAN COLORADO CRISWELL		
None	20130262558 Oct 3, 2013	13431901 Mar 27, 2012
<b>11. METHOD AND APPARATUS FOR DYNAMIC PRIORITIZATION OF CONTENT LISTINGS</b> Inventors: MARK GOODWIN, THOMAS C. MARKSWORTH, DAVID A. WESTERHOFF		
8977721 Mar 10, 2015	20130262633 Oct 3, 2013	13431910 Mar 27, 2012
<b>12. METHOD AND APPARATUS FOR DISPLAYING INFORMATION ON A SECONDARY SCREEN</b> Inventors: THOMAS C. MARKSWORTH, JONATHAN COLORADO CRISWELL		
None	20130262997 Oct 3, 2013	13431923 Mar 27, 2012
<b>13. METHOD AND APPARATUS FOR HANDLING CONTENT REQUESTS AND PLAYLIST INFORMATION</b> Inventors: ANTHONY WOOD, DAVID A. WESTERHOFF, PATRICK ELLIS, MARK GOODWIN		
None	20130262620 Oct 3, 2013	13431928 Mar 27, 2012
<b>14. METHOD AND APPARATUS FOR CHANNEL PRIORITIZATION</b> Inventors: ANTHONY WOOD, MARK GOODWIN		
8627388 Jan 7, 2014	20130263185 Oct 3, 2013	13431937 Mar 27, 2012

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>15. REMOTE CONTROL</b> Inventors: ANTHONY WOOD, LLOYD KLARKE, CHARLES SEIBER		
D679680 Apr 9, 2013		29397869 Jul 21, 2011
<b>16. METHOD AND APPARATUS FOR SHARING CONTENT</b> Inventors: Jim Funk, Brandon Noffsinger		
		13431932 Mar 27, 2012
<b>17. ELECTRONIC DEVICE</b>		
		29397167 July 11, 2011
<b>18. METHOD AND APPARATUS FOR SHARING CONTENT</b>		
		13431918 Mar 27, 2012

**REEL/FRAME: 035753/0739**

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>1. METHOD AND APPARATUS FOR SHARING CONTENT</b> Inventors: GREG GARNER		
9137578 Sep 15, 2015	20130263189 Oct 3, 2013	13778068 Feb 26, 2013
<b>2. METHOD AND APPARATUS OF ERROR REPORTING</b> Inventors: TOMOKO SHINTANI, DAVID SHARP		
8539286 Sep 17, 2013		13778088 Feb 26, 2013
<b>3. METHOD AND APPARATUS FOR VIEWING INSTANT REPLAY</b> Inventors: WIM MICHELS, ANTHONY WOOD, PATRICK ELLIS		
9363575 Jun 7, 2016	20140241696 Aug 28, 2014	13778094 Feb 26, 2013
<b>4. METHOD AND APPARATUS FOR AUTOMATIC SECOND SCREEN ENGAGEMENT</b> Inventors: TOMOKO SHINTANI, GREG GARNER		

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
8959562 Feb 17, 2015	20140240597 Aug 28, 2014	13778100 Feb 26, 2013
<b>5. METHOD AND APPARATUS FOR CONTENT BROWSING AND SELECTION</b> Inventors: ALI M. VASSIGH, JANA KOVACEVIC, JEFFREY PAUL ANDERSON, VINCENT CLEMENT DA SILVA		
9875002 Jan 23, 2018	20140245222 Aug 28, 2014	13778105 Feb 26, 2013
<b>6. METHOD AND APPARATUS OF ERROR REPORTING</b> Inventors: DAVID SHARP, TOMOKO SHINTANI		
8839050 Sep 16, 2014	20140245083 Aug 28, 2014	14028428 Sep 16, 2013
<b>7. METHOD AND APPARATUS FOR CHANNEL PRIORITIZATION</b> Inventors: ANTHONY WOOD, MARK GOODWIN		
9288547 Mar 15, 2016	20140123188 May 1, 2014	14148564 Jan 6, 2014
<b>8. POPULATION OF CUSTOMIZED CHANNELS</b> Inventors: ANTHONY WOOD		
9805033 Oct 31, 2017	20140372464 Dec 18, 2014	14216867 Mar 17, 2014
<b>9. METHOD AND APPARATUS FOR CUSTOMIZED PROVISIONING OF ON-LINE APPLICATION CHANNELS</b> Inventors: DAVID STERN, ANTHONY WOOD, DAVID WESTERHOFF, MARK GOODWIN, MATT EMERSON, BILL ATARAS, AARON GRAHAM, KEVIN PHILLIPS		
9705947 Jul 11, 2017	20140330940 Nov 6, 2014	14336480 Jul 21, 2014
<b>10. SYSTEM AND METHOD FOR SEARCHING MULTIMEDIA</b> Inventors: BRANDON NOFFSINGER, JIM FUNK		
9519645 Dec 13, 2016	20150066913 Mar 5, 2015	14536339 Nov 7, 2014
<b>11. SYSTEM AND METHOD FOR COLLECTING DATA</b> Inventors: SAMIR SAXENA		
None	20160134924 May 12, 2016	14536463 Nov 7, 2014
<b>12. SYSTEM AND METHOD FOR FAST STARTING AN APPLICATION</b>		

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
Inventors: CRAIG JOHNSON, JIM FUNK, DAVID MENDENHALL		
10114661 Oct 30, 2018	20160132344 May 12, 2016	14536481 Nov 7, 2014
<b>13. APPARATUS AND METHOD FOR CONTENT PLAYBACK UTILIZING CROWD SOURCED STATISTICS</b> Inventors: FRANK MAKER, PAT BROUILLETTE		
9270563 Feb 23, 2016		14552202 Nov 24, 2014
<b>14. SYSTEM AND METHOD FOR SEARCHING MULTIMEDIA</b> Inventors: BRANDON NOFFSINGER, JIM FUNK		
None	20150088869 Mar 26, 2015	14558648 Dec 2, 2014
<b>15. METHOD AND APPARATUS FOR AUTOMATIC SECOND SCREEN ENGAGEMENT</b> Inventors: GREG GARNER, TOMOKO SHINTANI		
9185446 Nov 10, 2015		14582113 Dec 23, 2014
<b>16. APPARATUS AND METHOD FOR PROVIDING POWER ON AND POWER OFF FOR A DISPLAY DEVICE</b> Inventors: ALI VASSIGH, DAVID WESTERHOFF, JEFF ANDERSON		
9420338 Aug 16, 2016		14582117 Dec 23, 2014
<b>17. APPARATUS AND METHOD FOR TIMER-BASED CONTROL OF AUDIOVISUAL OUTPUT DEVICES</b> Inventors: ALI VASSIGH		
9693003 Jun 27, 2017		14582120 Dec 23, 2014
<b>18. WIRELESS STREAMING SYSTEM WITH LOW POWER MODE AND ASSOCIATED REMOTE CONTROL</b> Inventors: GREG GARNER		
9794883 Oct 17, 2017		14582132 Dec 23, 2014
<b>19. AUTHENTICATING A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER</b> Inventors: ALLEN TSZ-CHIU WONG, BHARATH BHOOPALAM		
9473940 Oct 18, 2016	20160249213 Aug 25, 2016	14668528 Mar 25, 2015

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>20. PROFILE DRIVEN COMMUNICATION POLLING FOR REMOTE CONTROL</b> Inventors: FRANK LLEWELLYN MAKER III		
9894400 Feb 13, 2018	20160337686 Nov 17, 2016	14710226 May 12, 2015
<b>21. SET TOP BOX</b> Inventors: CHARLES SEIBER, ANTHONY WOOD, WENDY M. ABOWD		
D676005 Feb 12, 2013		29425373 Jun 21, 2012
<b>22. DISPLAY SCREEN WITH AN ANIMATED ELECTRONIC PROGRAM GUIDE</b> Inventors: JANA KOVACEVIC, ALI M. VASSIGH, VINCENT CLEMENT DA SILVA, JEFFREY PAUL ANDERSON		
D748649 Feb 2, 2016		29447539 Mar 4, 2013
<b>23. AUTHENTICATING A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER</b>  INVENTORS: ALLEN TSZ-CHIU WONG, BHARATH BHOOPALAM		62118928 Feb 20, 2015
<b>24. APPARATUS AND METHOD FOR NAMING A DEVICE CONNECTED TO A TELEVISION</b>  INVENTORS: DAVID SHARP, JEFF BUSH, JIM FUNK, WIM MICHIELS, DALE LUCK		62096527 Dec 23, 2014
<b>25. APPARATUS AND METHOD FOR RESTORING A DISABLED TELEVISION SPEAKER</b>  INVENTORS: DAVID SHARP		62096530 Dec 23, 2014
<b>26. METHOD AND APPARATUS FOR DYNAMIC PRIORITIZATION OF CONTENT THROUGH INTERACTIVE BROWSING</b>		13431918 March 27, 2012
<b>27. METHOD AND APPARATUS FOR BANDWIDTH ALLOCATION</b>		13778076 February 26, 2013
<b>28. METHOD AND APPARATUS FOR VOLUME CONTROL ON A REMOTE CONTROL</b>		13783154 March 1, 2013
<b>29. METHOD AND APPARATUS UTILIZING MULTIPLE REMOTE CONTROLS AND</b>		13887188 May 3, 2013

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
HEADSETS		
<b>30. METHOD AND APPARATUS FOR ACTIVATING A SYSTEM THROUGH A REMOTE CONTROL</b>		13783169 March 1, 2013
<b>31. METHOD AND APPARATUS FOR DISPLAYING INFORMATION ON A SECONDARY SCREEN</b>		PCT US2013033928 March 26, 2013
<b>32. METHOD AND APPARATUS FOR IDENTIFYING AND RECOMMENDING CONTENT</b>		PCT US2013033929 March 26, 2013
<b>33. APPARATUS AND METHOD FOR MULTI-USER CONSTRUCTIONS OF TAGGED VIDEO</b>		PCT US2011061926 November 22, 2011
<b>34. METHOD AND APPARATUS FOR CUSTOMIZED PROVISIONING OF ON-LINE APPLICATION CHANNELS</b>		PCT US2012046107 July 10, 2012

**REEL/FRAME: 042768/0268**

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>1. APPARATUS AND METHOD FOR AGGREGATING MEDIA CONTENT</b> Inventors: ANTHONY WOOD		
9807462 Oct 31, 2017	20120260291 Oct 11, 2012	13082256 Apr 7, 2011
<b>2. METHOD AND APPARATUS FOR CUSTOMIZED PROVISIONING OF ON-LINE APPLICATION CHANNELS</b> Inventors: ANTHONY WOOD, DAVID STERN, DAVID WESTERHOFF, BILL ATARAS, MARK GOODWIN, AARON GRAHAM, MATT EMERSON, KEVIN PHILLIPS		
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<b>3. STREAMING MEDIA SYSTEM</b> Inventors: LLOYD KLARKE, GREG GARNER, CARL SASSENATH, ANTHONY WOOD		
9131260 Sep 8, 2015	20130111521 May 2, 2013	13340507 Dec 29, 2011
<b>4. MULTI-INTERFACE STREAMING MEDIA SYSTEM</b> Inventors: LLOYD KLARKE, GREG GARNER, CARL SASSENATH, ANTHONY WOOD, SCOTT EDWARD DE		

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>HAAS</b>		
9286854 Mar 15, 2016	2013011533 May 2, 2013	13347619 Jan 10, 2012
<b>5. METHOD AND APPARATUS FOR RECURRING CONTENT SEARCHES AND VIEWING WINDOW NOTIFICATION</b> Inventors: MARK GOODWIN, THOMAS C. MARKSWORTH, JONATHAN COLORADO CRISWELL		
8938755 Jan 20, 2015	20130262619 Oct 3, 2013	13431886 Mar 27, 2012
<b>6. METHOD AND APPARATUS FOR DYNAMIC PRIORITIZATION OF CONTENT LISTINGS</b> Inventors: MARK GOODWIN, THOMAS C. MARKSWORTH, DAVID A. WESTERHOFF		
8977721 Mar 10, 2015	20130262633 Oct 3, 2013	13431910 Mar 27, 2012
<b>7. METHOD AND APPARATUS FOR CHANNEL PRIORITIZATION</b> Inventors: ANTHONY WOOD, MARK GOODWIN		
8627388 Jan 7, 2014	20130263185 Oct 3, 2013	13431937 Mar 27, 2012
<b>8. METHOD AND APPARATUS FOR SHARING CONTENT</b> Inventors: GREG GARNER		
9137578 Sep 15, 2015	20130263189 Oct 3, 2013	13778068 Feb 26, 2013
<b>9. METHOD AND APPARATUS OF ERROR REPORTING</b> Inventors: TOMOKO SHINTANI, DAVID SHARP		
8539286 Sep 17, 2013		13778088 Feb 26, 2013
<b>10. METHOD AND APPARATUS FOR VIEWING INSTANT REPLAY</b> Inventors: WIM MICHELS, ANTHONY WOOD, PATRICK ELLIS		
9363575 Jun 7, 2016	20140241696 Aug 28, 2014	13778094 Feb 26, 2013
<b>11. METHOD AND APPARATUS FOR AUTOMATIC SECOND SCREEN ENGAGEMENT</b> Inventors: TOMOKO SHINTANI, GREG GARNER		
8959562 Feb 17, 2015	20140240597 Aug 28, 2014	13778100 Feb 26, 2013

<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>12. METHOD AND APPARATUS FOR CONTENT BROWSING AND SELECTION</b> Inventors: ALI M. VASSIGH, JANA KOVACEVIC, JEFFREY PAUL ANDERSON, VINCENT CLEMENT DA SILVA		
9875002 Jan 23, 2018	20140245222 Aug 28, 2014	13778105 Feb 26, 2013
<b>13. METHOD AND APPARATUS OF ERROR REPORTING</b> Inventors: DAVID SHARP, TOMOKO SHINTANI		
8839050 Sep 16, 2014	20140245083 Aug 28, 2014	14028428 Sep 16, 2013
<b>14. METHOD AND APPARATUS FOR CHANNEL PRIORITIZATION</b> Inventors: ANTHONY WOOD, MARK GOODWIN		
9288547 Mar 15, 2016	20140123188 May 1, 2014	14148564 Jan 6, 2014
<b>15. POPULATION OF CUSTOMIZED CHANNELS</b> Inventors: ANTHONY WOOD		
9805033 Oct 31, 2017	20140372464 Dec 18, 2014	14216867 Mar 17, 2014
<b>16. METHOD AND APPARATUS FOR CUSTOMIZED PROVISIONING OF ON-LINE APPLICATION CHANNELS</b> Inventors: DAVID STERN, ANTHONY WOOD, DAVID WESTERHOFF, MARK GOODWIN, MATT EMERSON, BILL ATARAS, AARON GRAHAM, KEVIN PHILLIPS		
9705947 Jul 11, 2017	20140330940 Nov 6, 2014	14336480 Jul 21, 2014
<b>17. SYSTEM AND METHOD FOR SEARCHING MULTIMEDIA</b> Inventors: BRANDON NOFFSINGER, JIM FUNK		
9519645 Dec 13, 2016	20150066913 Mar 5, 2015	14536339 Nov 7, 2014
<b>18. SYSTEM AND METHOD FOR COLLECTING DATA</b> Inventors: SAMIR SAXENA		
None	20160134924 May 12, 2016	14536463 Nov 7, 2014
<b>19. SYSTEM AND METHOD FOR FAST STARTING AN APPLICATION</b> Inventors: CRAIG JOHNSON, JIM FUNK, DAVID MENDENHALL		
10114661	20160132344	14536481



<b>Patent</b>	<b>Publication</b>	<b>Application</b>
Oct 30, 2018	May 12, 2016	Nov 7, 2014
<b>20. APPARATUS AND METHOD FOR CONTENT PLAYBACK UTILIZING CROWD SOURCED STATISTICS</b> Inventors: FRANK MAKER, PAT BROUILLETTE		
9270563 Feb 23, 2016		14552202 Nov 24, 2014
<b>21. SYSTEM AND METHOD FOR SEARCHING MULTIMEDIA</b> Inventors: BRANDON NOFFSINGER, JIM FUNK		
None	20150088869 Mar 26, 2015	14558648 Dec 2, 2014
<b>22. METHOD AND APPARATUS FOR AUTOMATIC SECOND SCREEN ENGAGEMENT</b> Inventors: GREG GARNER, TOMOKO SHINTANI		
9185446 Nov 10, 2015		14582113 Dec 23, 2014
<b>23. APPARATUS AND METHOD FOR PROVIDING POWER ON AND POWER OFF FOR A DISPLAY DEVICE</b> Inventors: ALI VASSIGH, DAVID WESTERHOFF, JEFF ANDERSON		
9420338 Aug 16, 2016		14582117 Dec 23, 2014
<b>24. APPARATUS AND METHOD FOR TIMER-BASED CONTROL OF AUDIOVISUAL OUTPUT DEVICES</b> Inventors: ALI VASSIGH		
9693003 Jun 27, 2017		14582120 Dec 23, 2014
<b>25. WIRELESS STREAMING SYSTEM WITH LOW POWER MODE AND ASSOCIATED REMOTE CONTROL</b> Inventors: GREG GARNER		
9794883 Oct 17, 2017		14582132 Dec 23, 2014
<b>26. AUTHENTICATING A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER</b> Inventors: ALLEN TSZ-CHIU WONG, BHARATH BHOOPALAM		
9473940 Oct 18, 2016	20160249213 Aug 25, 2016	14668528 Mar 25, 2015
<b>27. PROFILE DRIVEN COMMUNICATION POLLING FOR REMOTE CONTROL</b>		

Patent	Publication	Application
Inventors: FRANK LLEWELLYN MAKER III		
9894400 Feb 13, 2018	20160337686 Nov 17, 2016	14710226 May 12, 2015
<b>28. PROVIDING A REPRESENTATION FOR A DEVICE CONNECTED TO A DISPLAY DEVICE</b> Inventors: DAVID SHARP, JEFF BUSH, JIM FUNK, WIM MICHIELS, DALE LUCK		
9613586 Apr 4, 2017	20160180806 Jun 23, 2016	14755753 Jun 30, 2015
<b>29. RESTORING A DISABLED DISPLAY DEVICE SPEAKER</b> Inventors: DAVID SHARP		
None	20160179459 Jun 23, 2016	14755833 Jun 30, 2015
<b>30. SOLID-STATE CAPTURE OF BROADCAST MEDIA</b> Inventors: GREGORY M. GARNER		
None	20170034587 Feb 2, 2017	14813584 Jul 30, 2015
<b>31. AUDIO PREFERENCES FOR MEDIA CONTENT PLAYERS</b> Inventors: GREGORY MACK GARNER, PATRICK ALAN BROUILLETTE		
10091581 Oct 2, 2018	20170034621 Feb 2, 2017	14813628 Jul 30, 2015
<b>32. DETECTION OF SMARTPHONE TO ENABLE CONTENT</b> Inventors: GREGORY M. GARNER, JOSEPH HOLLINGER		
None	20170034559 Feb 2, 2017	14813703 Jul 30, 2015
<b>33. MOBILE DEVICE BASED CONTROL DEVICE LOCATOR</b> Inventors: GREGORY MACK GARNER, PATRICK ALAN BROUILLETTE		
None	20170030999 Feb 2, 2017	14813766 Jul 30, 2015
<b>34. UNIVERSAL REMOTE CONTROL WITH AUTOMATIC STATE SYNCHRONIZATION</b> Inventors: DON P. EVANS		
9601006	20170032665	14814217

Patent	Publication	Application
Mar 21, 2017	Feb 2, 2017	Jul 30, 2015
<b>35. STREAMING MEDIA SYSTEM</b> Inventors: LLOYD KLARKE, GREG GARNER, CARL SASSEN RATH, ANTHONY WOOD		
9544654 Jan 10, 2017	20150373417 Dec 24, 2015	14839379 Aug 28, 2015
<b>36. DYNAMIC GENERATION OF TRICK MODE DATA</b> Inventors: DAVID ALLEN WESTERHOFF, TIMOTHY JOHN GRANGER		
9681198 Jun 13, 2017	20170064409 Mar 2, 2017	14840962 Aug 31, 2015
<b>37. AUDIO COMMAND INTERFACE FOR A MULTIMEDIA DEVICE</b> Inventors: FRANK LLEWELLYN MAKER III		
10048936 Aug 14, 2018	20170060530 Mar 2, 2017	14857876 Sep 18, 2015
<b>38. METHOD AND APPARATUS FOR AUTOMATIC SECOND SCREEN ENGAGEMENT</b> Inventors: GREG GARNER, TOMOKO SHINTANI		
9479813 Oct 25, 2016	20160044360 Feb 11, 2016	14923061 Oct 26, 2015
<b>39. AUDIO DEVICE WITH AUTOMATIC FAN CONTROL BASED ON A VOLUME LEVEL OF AUDIO CONTENT</b> Inventors: GREGORY M. GARNER, JOSEPH HOLLINGER		
9621989 Apr 11, 2017	20170127179 May 4, 2017	14926713 Oct 29, 2015
<b>40. DETECTION OF A MOBILE DEVICE TO IDENTIFY USER PREFERENCES AND PROVIDE CUSTOMIZED FUNCTIONALITY OR CONTENT</b> Inventors: GREGORY M. GARNER, JOSEPH HOLLINGER		
None	20170034560 Feb 2, 2017	14958283 Dec 3, 2015
<b>41. USER IDENTIFICATION BASED ON THE MOTION OF A DEVICE</b> Inventors: ILYA ASNIS		
10127371 Nov 13, 2018	20170169207 Jun 15, 2017	14966576 Dec 11, 2015

Patent	Publication	Application
<b>42. PROVIDING ROLLING UPDATES OF DISTRIBUTED SYSTEMS WITH A SHARED CACHE</b> Inventors: BILL ATARAS		
None	20170192884 Jul 6, 2017	14984292 Dec 30, 2015
<b>43. ORIENTATION ADJUSTMENT FOR CASTING VIDEOS</b> Inventors: GREGORY S. GATES		
9723258 Aug 1, 2017	20170195620 Jul 6, 2017	14984526 Dec 30, 2015
<b>44. SELECTION OF VIDEO SEGMENTS FOR ADAPTIVE STREAMING</b> Inventors: FRANCIS DEGRANGE		
10122781 Nov 6, 2018	20170223081 Aug 3, 2017	15010788 Jan 29, 2016
<b>45. SELECTION AND ALIGNMENT OF VIDEO SEGMENTS FOR ADAPTIVE STREAMING</b> Inventors: FRANCIS DEGRANGE		
10057654 Aug 21, 2018	20170223424 Aug 3, 2017	15010857 Jan 29, 2016
<b>46. EXTENDED SELECTION AND ALIGNMENT OF VIDEO SEGMENTS FOR ADAPTIVE STREAMING</b> Inventors: FRANCIS DEGRANGE		
None	20170223074 Aug 3, 2017	15010916 Jan 29, 2016
<b>47. MULTI-INTERFACE STREAMING MEDIA SYSTEM</b> Inventors: LLOYD KLARKE, GREG GARNER, CARL SASSEN RATH, ANTHONY WOOD, SCOTT EDWARD DE HAAS		
9848231 Dec 19, 2017	20160165304 Jun 9, 2016	15043115 Feb 12, 2016
<b>48. APPARATUS AND METHOD FOR CONTENT PLAYBACK UTILIZING CROWD SOURCED STATISTICS</b> Inventors: PAT BROUILLETTE, FRANK MAKER		
9794150 Oct 17, 2017	20160248651 Aug 25, 2016	15049348 Feb 22, 2016
<b>49. BROWN OUT CONDITION DETECTION AND DEVICE CALIBRATION</b> Inventors: GREGORY GARNER, ANTHONY WOOD, SIMON MARTIN, DAVID STERN		

Patent	Publication	Application
None	20170269664 Sep 21, 2017	15070491 Mar 15, 2016
<b>50. EFFICIENT COMMUNICATION INTERFACE FOR CASTING INTERACTIVELY CONTROLLED VISUAL CONTENT</b> Inventors: GREGORY S. GATES, HAROLD SUN, MICHAEL CHIN-MING FU		
9996311 Jun 12, 2018	20170269895 Sep 21, 2017	15070800 Mar 15, 2016
<b>51. CONTROLLING DISPLAY DEVICE SETTINGS FROM A MOBILE DEVICE TOUCH INTERFACE</b> Inventors: STEVE SHAW-JONG LIU, JAMES HAROLD SHAW, ANITA RANGANATH, MICHAEL CHIN-MING FU, GREGORY S. GATES, MATTHEW WEE, KEVIN RALPH COOPER, CHARLES L. SMITH, HAROLD SUN		
None	20170270848 Sep 21, 2017	15076162 Mar 21, 2016
<b>52. STREAMING SYNCHRONIZED MEDIA CONTENT TO SEPARATE DEVICES</b> Inventors: GREGORY S. GATES, MICHAEL CHIN-MING FU		
None	20170289246 Oct 5, 2017	15220696 Jul 27, 2016
<b>53. FLEXIBLE OUTPUT OF STREAMING MEDIA</b> Inventors: GREGORY M. GARNER, ANTHONY WOOD, GREGORY S. GATES, MICHAEL CHIN-MING FU		
10110943 Oct 23, 2018	20180035155 Feb 1, 2018	15225338 Aug 1, 2016
<b>54. DISTRIBUTED VOICE PROCESSING SYSTEM</b> Inventors: GREGORY M. GARNER, ANTHONY WOOD		
None	20180047386 Feb 15, 2018	15233207 Aug 10, 2016
<b>55. CROWD SOURCED INDEXING AND/OR SEARCHING OF CONTENT</b> Inventors: DAVID SHARP		
None	20170060858 Mar 2, 2017	15249985 Aug 29, 2016
<b>56. AUTHENTICATING A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER</b> Inventors: ALLEN TSZ-CHIU WONG, BHARATH BHOOPALAM		
9667630	20170019404	15280091

Patent	Publication	Application
May 30, 2017	Jan 19, 2017	Sep 29, 2016
<b>57. AUTHENTICATING A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER</b> Inventors: ALLEN TSZ-CHIU WONG, BHARATH BHOOPALAM		
9667630 May 30, 2017	20170019404 Jan 19, 2017	15280091 Sep 29, 2016
<b>58. CONTROLLING DISPLAY OF MEDIA CONTENT</b> Inventors: ANTHONY WOOD, SCOTT ROSENBERG, ILYA ASNIS		
9936263 Apr 3, 2018	20170195743 Jul 6, 2017	15283932 Oct 3, 2016
<b>59. METHOD AND APPARATUS FOR AUTOMATIC SECOND SCREEN ENGAGEMENT</b> Inventors: GREG GARNER, TOMOKO SHINTANI		
None	20170041657 Feb 9, 2017	15332743 Oct 24, 2016
<b>60. RECEPTION OF AUDIO COMMANDS</b> Inventors: GREGORY M. GARNER		
None	20180122373 May 3, 2018	15341552 Nov 2, 2016
<b>61. SEARCHING MULTIMEDIA BASED ON TRIGGER EVENTS</b> Inventors: JIM FUNK, BRANDON NOFFSINGER		
None	20170124076 May 4, 2017	15343426 Nov 4, 2016
<b>62. INTERACTION RECOGNITION OF A TELEVISION CONTENT INTERACTION DEVICE</b> Inventors: SYLVAIN RENÉ YVES LOUBOUTIN		
9866904 Jan 9, 2018		15348592 Nov 10, 2016
<b>63. RECOMMENDING CONTENT BASED ON USER BEHAVIOR TRACKING AND ANALYSIS</b> Inventors: SYLVAIN RENÉ YVES LOUBOUTIN		
None	20180146253 May 24, 2018	15357289 Nov 21, 2016

Patent	Publication	Application
<b>64. AUTOMATIC DISPLAY OF CLOSED CAPTIONING INFORMATION</b> Inventors: JOSEPH HOLLINGER		
9749700 Aug 29, 2017		15357319 Nov 21, 2016
<b>65. STREAMING CONTENT BASED ON SKIP HISTORIES</b> Inventors: JOSEPH HOLLINGER		
None	20180146054 May 24, 2018	15357595 Nov 21, 2016
<b>66. PREDICTIVE APPLICATION CACHING</b> Inventors: DAVID STERN, ANTHONY WOOD		
None	20180143746 May 24, 2018	15359747 Nov 23, 2016
<b>67. SKIPPING CONTENT OF LESSER INTEREST WHEN STREAMING MEDIA</b> Inventors: ANTHONY WOOD, JOSEPH HOLLINGER		
None	20180152489 May 31, 2018	15363236 Nov 29, 2016
<b>68. ENHANCED TRICK MODE TO ENABLE PRESENTATION OF INFORMATION RELATED TO CONTENT BEING STREAMED</b> Inventors: ANTHONY WOOD		
10003834 Jun 19, 2018	20180152743 May 31, 2018	15363263 Nov 29, 2016
<b>69. PROVIDING A REPRESENTATION FOR A DEVICE CONNECTED TO A DISPLAY DEVICE</b> Inventors: DAVID SHARP, JEFF BUSH, JIM FUNK, WIM MICHIELS, DALE LUCK		
9865225 Jan 9, 2018	20170162169 Jun 8, 2017	15436041 Feb 17, 2017
<b>70. AUDIO DEVICE WITH AUTOMATIC FAN CONTROL BASED ON A VOLUME LEVEL OF AUDIO CONTENT</b> Inventors: GREGORY M. GARNER, JOSEPH HOLLINGER		
9788111 Oct 10, 2017	20170188146 Jun 29, 2017	15455520 Mar 10, 2017
<b>71. CONNECTOR DEVICE WITH ANTENNA CONNECTION</b> Inventors: GREGORY GARNER, TITO THOMAS		

Patent	Publication	Application
None	20180262280 Sep 13, 2018	15455561 Mar 10, 2017
<b>72. DISPLAY DIAGNOSTICS FOR ENHANCING PERFORMANCE OF DISPLAY DEVICES</b> Inventors: DAVID MENDENHALL, JASON SILVER, WADE BROWN, LLOYD KLARKE, SUKH GOSAL, ALI VASSIGH		
10110887 Oct 23, 2018	20180278926 Sep 27, 2018	15465147 Mar 21, 2017
<b>73. REMOTE CONTROL WITH CONFIGURABLE BUTTONS</b> Inventors: WILLIAM DANIEL STRAUSS, SCOTT EDWARD DE HAAS, GREGORY MACK GARNER, JEFFREY JOHN PETERS, ANTHONY WOOD		
None	20180286607 Oct 4, 2018	15477275 Apr 3, 2017
<b>74. TIME AND CONTENT RESTRICTIONS BASED ON USER-IDENTIFICATION</b> Inventors: ILYA ASNIS, TITO THOMAS, GREGORY M. GARNER, ANTHONY WOOD		
None	20180288115 Oct 4, 2018	15478413 Apr 4, 2017
<b>75. NETWORK-BASED USER IDENTIFICATION</b> Inventors: ILYA ASNIS, GREGORY M. GARNER, TITO THOMAS, ANTHONY WOOD		
None	20180288813 Oct 4, 2018	15478444 Apr 4, 2017
<b>76. INTERACTION-BASED USER IDENTIFICATION</b> Inventors: ILYA ASNIS, GREGORY M. GARNER, TITO THOMAS, ANTHONY WOOD		
None	20180288116 Oct 4, 2018	15478448 Apr 4, 2017
<b>77. CROWD SOURCED DYNAMIC GENERATION OF TRICK MODE DATA</b> Inventors: DAVID ALLEN WESTERHOFF, TIMOTHY JOHN GRANGER		
9967634 May 8, 2018	20170245021 Aug 24, 2017	15588314 May 5, 2017
<b>78. GRAPHICAL USER INTERFACE COMPUTER ICON FOR A MONITOR DISPLAY</b> Inventors: SUSAN WOOD, DOUGLAS GLEN SHANNON, MICHAEL JOSEPH KOBBS, ANTHONY JOHN WOOD		
D546337 Jul 10, 2007		29213529 Sep 17, 2004



<b>Patent</b>	<b>Publication</b>	<b>Application</b>
<b>79. UNIVERSAL MUSIC PLAYER</b> Inventors: ANTHONY JOHN WOOD, DANIEL KENDALL HARDEN		
D558781 Jan 1, 2008		29220974 Jan 7, 2005
<b>80. REMOTE CONTROL</b> Inventors: ANTHONY WOOD, LLOYD KLARKE, CHARLES SEIBER		
D679680 Apr 9, 2013		29397869 Jul 21, 2011
<b>81. SET TOP BOX</b> Inventors: CHARLES SEIBER, ANTHONY WOOD, WENDY M. ABOWD		
D676005 Feb 12, 2013		29425373 Jun 21, 2012
<b>82. DISPLAY SCREEN WITH AN ANIMATED ELECTRONIC PROGRAM GUIDE</b> Inventors: JANA KOVACEVIC, ALI M. VASSIGH, VINCENT CLEMENT DA SILVA, JEFFREY PAUL ANDERSON		
D748649 Feb 2, 2016		29447539 Mar 4, 2013
<b>83. DISPLAY SCREEN WITH AN ANIMATED ELECTRONIC PROGRAM GUIDE</b> Inventors: ALI M. VASSIGH, JEFFREY PAUL ANDERSON, JANA KOVACEVIC, VINCENT CLEMENT DA SILVA		
D748131 Jan 26, 2016		29534716 Jul 30, 2015
<b>84. DISPLAY SCREEN WITH AN ANIMATED ELECTRONIC PROGRAM GUIDE</b> Inventors: ALI M. VASSIGH, JEFFREY PAUL ANDERSON, JANA KOVACEVIC, VINCENT CLEMENT DA SILVA		
D750120 Feb 23, 2016		29534717 Jul 30, 2015
<b>85. ELECTRONIC DEVICE</b> Inventors: GREGORY MICHAEL HOGAN		
D783552 Apr 11, 2017		29548956 Dec 17, 2015
<b>86. DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE</b> Inventors: CHRISTOPHER JAMES TEGETHOFF		

Patent	Publication	Application
D797121 Sep 12, 2017		29556309 Feb 29, 2016
<b>87. DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE</b> Inventors: CHRISTOPHER JAMES TEGETHOFF		
D795271 Aug 22, 2017		29556311 Feb 29, 2016
<b>88. DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE</b> Inventors: CHRISTOPHER JAMES TEGETHOFF		
D781911 Mar 21, 2017		29556313 Feb 29, 2016
<b>89. STREAMING SYNCHRONIZED MEDIA CONTENT TO SEPARATE DEVICES</b>  INVENTORS: GREGORY GATES, MICHAEL CHIN-MING		62317870 Apr 4, 2016
<b>90. DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE</b>		29556306 February 29, 2016

SCHEDULE I TO  
TERMINATION AND RELEASE OF INTELLECTUAL PROPERTY SECURITY  
AGREEMENT

**TRADEMARKS**

ROQUEUE	United States	Registered	77933684	11-Feb-2010	None	None
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**REEL/FRAME: 3951/0131**

Total properties: 7

- 1 Serial #: 77109487 Filing Dt: 02/16/2007 Reg #: 3323468 Reg. Dt: 10/30/2007  
Mark: BRIGHTSIGN
- 2 Serial #: 78279128 Filing Dt: 07/25/2003 Reg #: 3177666 Reg. Dt: 11/28/2006  
Mark: ROKU
- 3 Serial #: 78445640 Filing Dt: 07/02/2004 Reg #: 3112828 Reg. Dt: 07/04/2006  
Mark: SOUNDBRIDGE
- 4 Serial #: 78537364 Filing Dt: 12/22/2004 Reg #: 3121974 Reg. Dt: 07/25/2006  
Mark: PHOTOBRIDGE
- 5 Serial #: 78791739 Filing Dt: 01/13/2006 Reg #: NONE Reg. Dt:  
Mark: ROKU RADIO
- 6 Serial #: 78791759 Filing Dt: 01/13/2006 Reg #: NONE Reg. Dt:  
Mark: ROKU RADIO
- 7 Serial #: 78791768 Filing Dt: 01/13/2006 Reg #: NONE Reg. Dt:  
Mark: ROKU RADIO

**REEL/FRAME: 4245/0237**

Total properties: 1

- 1 Serial #: 77933684 Filing Dt: 02/11/2010 Reg #: NONE Reg. Dt:  
Mark: ROQUEUE

**REEL/FRAME: 4794/0322**

Total properties: 2

- 1 Serial #: 85360478 Filing Dt: 06/30/2011 Reg #: 4102030 Reg. Dt: 02/21/2012  
Mark: STOP DREAMING. START STREAMING.
- 2 Serial #: 85360484 Filing Dt: 06/30/2011 Reg #: 4102031 Reg. Dt: 02/21/2012  
Mark: THERE'S A TON OF ENTERTAINMENT IN THIS LITTLE BOX

**REEL/FRAME: 5526/0959**

**Total properties: 15**

- 1 Serial # : 85659333 Filing Dt: 06/22/2012 Reg # : 4318939 Reg. Dt: 04/09/2013  
Mark: ROKU READY
- 2 Serial # : 85660714 Filing Dt: 06/25/2012 Reg # : 4286058 Reg. Dt: 02/05/2013  
Mark: ROKU
- 3 Serial # : 85660716 Filing Dt: 06/25/2012 Reg # : 4286059 Reg. Dt: 02/05/2013  
Mark: ROKU
- 4 Serial # : 85671642 Filing Dt: 07/09/2012 Reg # : 4314899 Reg. Dt: 04/02/2013  
Mark: ROKU READY
- 5 Serial # : 85688052 Filing Dt: 07/26/2012 Reg # : 4329663 Reg. Dt: 04/30/2013  
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- 6 Serial # : 85688053 Filing Dt: 07/26/2012 Reg # : 4329664 Reg. Dt: 04/30/2013  
Mark:
- 7 Serial # : 85690425 Filing Dt: 07/30/2012 Reg # : 4336488 Reg. Dt: 05/14/2013  
Mark:
- 8 Serial # : 85691596 Filing Dt: 07/31/2012 Reg # : 4329666 Reg. Dt: 04/30/2013  
Mark:
- 9 Serial # : 86282756 Filing Dt: 05/15/2014 Reg # : 4618984 Reg. Dt: 10/07/2014  
Mark: STREAMING STICK
- 10 Serial # : 86347734 Filing Dt: 07/25/2014 Reg # : 4937513 Reg. Dt: 04/12/2016  
Mark: ROKU
- 11 Serial # : 86347736 Filing Dt: 07/25/2014 Reg # : 4937514 Reg. Dt: 04/12/2016  
Mark: ROKU
- 12 Serial # : 86347739 Filing Dt: 07/25/2014 Reg # : 5151588 Reg. Dt: 02/28/2017  
Mark: ROKU
- 13 Serial # : 86347740 Filing Dt: 07/25/2014 Reg # : 4937515 Reg. Dt: 04/12/2016  
Mark: ROKU
- 14 Serial # : 86372743 Filing Dt: 08/20/2014 Reg # : 4843920 Reg. Dt: 11/03/2015  
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- 15 Serial # : 86372745 Filing Dt: 08/20/2014 Reg # : 4839473 Reg. Dt: 10/27/2015  
Mark:

**REEL/FRAME: 6082/0256**

**Total properties: 18**

- 1 Serial # : 78279128 Filing Dt: 07/25/2003 Reg # : 3177666 Reg. Dt: 11/28/2006  
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- 2 Serial # : 85360478 Filing Dt: 06/30/2011 Reg # : 4102030 Reg. Dt: 02/21/2012  
Mark: STOP DREAMING. START STREAMING.
- 3 Serial # : 85360484 Filing Dt: 06/30/2011 Reg # : 4102031 Reg. Dt: 02/21/2012

Mark: THERE'S A TON OF ENTERTAINMENT IN THIS LITTLE BOX

- 4    Serial # : 85659333 Filing Dt: 06/22/2012 Reg # : 4318939 Reg. Dt: 04/09/2013  
      Mark: ROKU READY
- 5    Serial # : 85660714 Filing Dt: 06/25/2012 Reg # : 4286058 Reg. Dt: 02/05/2013  
      Mark: ROKU
- 6    Serial # : 85660716 Filing Dt: 06/25/2012 Reg # : 4286059 Reg. Dt: 02/05/2013  
      Mark: ROKU
- 7    Serial # : 85671642 Filing Dt: 07/09/2012 Reg # : 4314899 Reg. Dt: 04/02/2013  
      Mark: ROKU READY
- 8    Serial # : 85688052 Filing Dt: 07/26/2012 Reg # : 4329663 Reg. Dt: 04/30/2013  
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- 9    Serial # : 85688053 Filing Dt: 07/26/2012 Reg # : 4329664 Reg. Dt: 04/30/2013  
      Mark:
- 10   Serial # : 85690425 Filing Dt: 07/30/2012 Reg # : 4336488 Reg. Dt: 05/14/2013  
      Mark:
- 11   Serial # : 85691596 Filing Dt: 07/31/2012 Reg # : 4329666 Reg. Dt: 04/30/2013  
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- 12   Serial # : 86282756 Filing Dt: 05/15/2014 Reg # : 4618984 Reg. Dt: 10/07/2014  
      Mark: STREAMING STICK
- 13   Serial # : 86347734 Filing Dt: 07/25/2014 Reg # : 4937513 Reg. Dt: 04/12/2016  
      Mark: ROKU
- 14   Serial # : 86347736 Filing Dt: 07/25/2014 Reg # : 4937514 Reg. Dt: 04/12/2016  
      Mark: ROKU
- 15   Serial # : 86347739 Filing Dt: 07/25/2014 Reg # : 5151588 Reg. Dt: 02/28/2017  
      Mark: ROKU
- 16   Serial # : 86347740 Filing Dt: 07/25/2014 Reg # : 4937515 Reg. Dt: 04/12/2016  
      Mark: ROKU
- 17   Serial # : 86372743 Filing Dt: 08/20/2014 Reg # : 4843920 Reg. Dt: 11/03/2015  
      Mark:
- 18   Serial # : 86372745 Filing Dt: 08/20/2014 Reg # : 4839473 Reg. Dt: 10/27/2015  
      Mark: