

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4455577

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT	
CONVEYING PARTY DATA		
Name		Execution Date
ROKU, INC.		06/09/2017
RECEIVING PARTY DATA		
Name:	SILICON VALLEY BANK	
Street Address:	555 MISSION STREET	
Internal Address:	SUITE 900	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94105	
PROPERTY NUMBERS Total: 90		
Property Type	Number	
Patent Number:	9667630	
Patent Number:	D546337	
Patent Number:	D558781	
Patent Number:	9473940	
Patent Number:	9131260	
Patent Number:	9286854	
Patent Number:	9544654	
Patent Number:	8938755	
Patent Number:	8977721	
Patent Number:	9137578	
Patent Number:	9519645	
Patent Number:	8627388	
Patent Number:	9288547	
Patent Number:	D676005	
Patent Number:	8788578	
Patent Number:	D679680	
Patent Number:	8539286	
Patent Number:	8839050	
Patent Number:	9363575	
PATENT		

Property Type	Number
Patent Number:	8959562
Patent Number:	9185446
Patent Number:	9479813
Patent Number:	D748649
Patent Number:	D750120
Patent Number:	D748131
Patent Number:	9420338
Patent Number:	9613586
Patent Number:	9601006
Patent Number:	9270563
Patent Number:	9621989
Patent Number:	D783552
Patent Number:	D781911
Application Number:	13082256
Application Number:	13778105
Application Number:	15280091
Application Number:	15043115
Application Number:	14558648
Application Number:	15343426
Application Number:	14336480
Application Number:	15332743
Application Number:	14216867
Application Number:	14582120
Application Number:	15436041
Application Number:	14755833
Application Number:	14582132
Application Number:	14536481
Application Number:	14536463
Application Number:	15010788
Application Number:	14710226
Application Number:	14813628
Application Number:	14813584
Application Number:	14813766
Application Number:	15249985
Application Number:	14813703
Application Number:	14958283
Application Number:	14857876
Application Number:	14840962

Property Type	Number
Application Number:	15588314
Application Number:	15049348
Application Number:	15455520
Application Number:	29556306
Application Number:	29556309
Application Number:	29556311
Application Number:	15076162
Application Number:	14966576
Application Number:	14984292
Application Number:	14984526
Application Number:	62317870
Application Number:	15220696
Application Number:	15283932
Application Number:	15070800
Application Number:	15010857
Application Number:	15010916
Application Number:	15070491
Application Number:	15348592
Application Number:	15225338
Application Number:	15233207
Application Number:	15357319
Application Number:	15359747
Application Number:	15357595
Application Number:	15357289
Application Number:	15341552
Application Number:	15363236
Application Number:	15478413
Application Number:	15363263
Application Number:	15478444
Application Number:	15477275
Application Number:	15455561
Application Number:	15465147
Application Number:	15478448

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: 800-494-5225

Email: ipteam@cogencyglobal.com
Correspondent Name: STEWART WALSH
Address Line 1: 1025 VERMONT AVE NW, SUITE 1130
Address Line 2: COGENCY GLOBAL INC.
Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	F170680 PAT
NAME OF SUBMITTER:	ANDREW NASH
SIGNATURE:	/Andrew Nash/
DATE SIGNED:	06/12/2017

Total Attachments: 26

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PATENT

REEL: 042768 FRAME: 0272

AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Amended and Restated Intellectual Property Security Agreement (this "Agreement") is entered into as of June 9, 2017, by and between SILICON VALLEY BANK, a California corporation, with a loan production office located at 555 Mission Street, Suite 900, San Francisco, California 94105 ("Bank") and ROKU, INC., a Delaware corporation with its principal place of business located at 170 Knowles Drive, Los Gatos, California 95032 ("Grantor"). This Agreement amends and restates in its entirety the terms and conditions of that certain Intellectual Property Security Agreement dated as of July 26, 2010, between Grantor and Bank (as amended, the "Prior Agreement").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in (i) that certain Amended and Restated Loan and Security Agreement by and between Bank and Grantor dated as of November 18, 2014, as amended by that certain First Amendment to Amended and Restated Loan and Security Agreement dated as of May 14, 2015, and as further amended by that certain Second Amendment to Amended and Restated Loan and Security Agreement dated as of the date hereof (as the same may be further amended, modified or supplemented from time to time, the "Senior Facility") and (ii) that certain Subordinated Loan and Security Agreement by and between Bank and Grantor dated as of the date hereof (as the same may be amended, modified or supplemented from time to time, the "Subordinated Loan Agreement", and together with the Senior Facility, collectively, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in its Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor to Bank.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of Grantor's obligations to Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

1. Grant of Security Interest. To secure Grantor's obligations to Bank, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work of authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Recordation. Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Agreement upon request by Bank.

3. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Loan Agreement, which is hereby incorporated by reference. The provisions of the Loan Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Bank with respect to the Intellectual Property Collateral are as provided by the Loan Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in 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 to this Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Agreement.

5. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Prior Agreement. Grantor and Bank hereby agree that, effective upon the execution and delivery of this Agreement by each such party, the terms and provisions of the Prior Agreement shall be and hereby are amended, restated and superseded in their entirety by the terms and provisions of this Agreement. Nothing herein contained shall be construed as a substitution or novation of the obligations of Borrower outstanding under the Prior Agreement or instruments securing the same, which obligations shall remain in full force and effect, except to the extent that the terms thereof are modified hereby or by instruments executed concurrently herewith. Nothing expressed or implied in this Agreement shall be construed as a release or other discharge of any Borrower from any of the obligations or any liabilities under the Prior Agreement. Borrower hereby confirms and agrees that to the extent that the Prior Agreement purports to assign or pledge to the Bank, or to grant to the Bank a security interest in or lien on, any collateral as security for the Obligations, such pledge, assignment or grant of the security interest or lien is hereby ratified and confirmed in all respects and shall remain effective as of the first date it became effective.

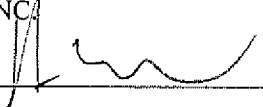
7. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of California, without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction).

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Amended and Restated Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

ROKU, INC.

By: 

Title: CHIEF EXECUTIVE OFFICER

BANK:

SILICON VALLEY BANK

By: _____

Title: _____

IN WITNESS WHEREOF, the parties have caused this Amended and Restated Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

ROKU, INC.

By: _____

Title: _____

BANK:

SILICON VALLEY BANK

By: _____

Title: _____

EXHIBIT A

Copyrights

Description	Registration/ Application Number	Registration/ Application Date
Visual Material ROKU XD.	VA0001793137	2011-11-07
Visual Material ROKU XDS.	VA0001793140	2011-11-07

EXHIBIT B

Patents

Country	Application No.	Application Date	Patent Number / Publication Number	Grant Date	Title
United States			20170034621	7/29/2015	AUDIO PREFERENCES FOR MEDIA CONTENT PLAYERS
United States			9667630	5/25/2015	AUTHENTICATING A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER
United States	13/082,256	04/07/2011			APPARATUS AND METHOD FOR AGGREGATING MEDIA CONTENT
United States	13/778,105	02/26/2013			METHOD AND APPARATUS FOR CONTENT BROWSING AND SELECTION
United States	29/213,529	09/17/2004	D546,337	07/10/2007	GRAPHICAL USER INTERFACE COMPUTER ICON FOR A MONITOR DISPLAY
United States	29/220,974	01/07/2005	D558,781	01/01/2008	UNIVERSAL MUSIC PLAYER
United States	14/668,528	03/25/2015	9,473,940	10/18/2016	AUTHENTICATION OF A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER
United States	15/280,091	09/29/2016			AUTHENTICATION OF A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER
PCT	PCT/US2016/018914	02/22/2016			AUTHENTICATING A BROWSER-LESS DATA STREAMING DEVICE TO A NETWORK WITH AN EXTERNAL BROWSER

United States	13/340,507	12/29/2011	9,131,260	09/08/2015	STREAMING MEDIA SYSTEM
United States	13/347,619	01/10/2012	9,286,854	03/15/2016	INTERNET ACCESS CARD FOR DEPLOYMENT WITHIN A TELEVISION
United States	14/839,379	8/28/2015	9,544,654	1/10/2017	STREAMING MEDIA SYSTEM
United States	15/043,115	02/12/2016			MULTI-INTERFACE STREAMING MEDIA SYSTEM
United States	13/431,886	03/27/2012	8,938,755	01/20/2015	METHOD AND APPARATUS FOR RECURRING CONTENT SEARCHES AND VIEWING WINDOW NOTIFICATION
United States	13/431,910	03/27/2012	8,977,721	03/10/2015	METHOD AND APPARATUS FOR DYNAMIC PRIORITIZATION OF CONTENT THROUGH INTERACTIVE BROWSING
United States	13/778,068	02/26/2013	9,137,578	09/15/2015	METHOD AND APPARATUS FOR SHARING CONTENT
United States	14/536,339	11/07/2014	9,519,645	12/13/2016	SYSTEM AND METHOD FOR SEARCHING MULTIMEDIA
United States	14/558,648	12/02/2014			SYSTEM AND METHOD FOR SEARCHING MULTIMEDIA
United States	15/343,426	11/04/2016			SEARCHING MULTIMEDIA BASED ON TRIGGER EVENTS
United States	13/431,937	03/27/2012	8,627,388	01/07/2014	METHOD AND APPARATUS FOR CHANNEL PRIORITIZATION
United States	14/148,564	01/06/2014	9,288,547	03/15/2016	METHOD AND APPARATUS FOR CHANNEL PRIORITIZATION
United States	29/425,373	06/21/2012	D676,005	02/12/2013	SET TOP BOX

United States	13/180,375	07/11/2011	8,788,578	07/22/2014	METHOD AND APPARATUS FOR CUSTOMIZED PROVISIONING OF ON-LINE APPLICATION CHANNELS
United States	14/336,480	07/21/2014			METHOD AND APPARATUS FOR CUSTOMIZED PROVISIONING OF ON-LINE APPLICATION CHANNELS
United States	29/397,869	07/21/2011	D679,680	04/09/2013	REMOTE CONTROL
United States	13/778,088	02/26/2013	8,539,286	09/17/2013	METHOD AND APPARATUS OF ERROR REPORTING
United States	14/028,428	09/16/2013	8,839,050	09/16/2014	METHOD AND APPARATUS OF ERROR REPORTING
United States	13/778,094	02/26/2013	9,363,575	06/07/2016	METHOD AND APPARATUS FOR VIEWING INSTANT REPLAY
United States	13/778,100	02/26/2013	8,959,562	02/17/2015	METHOD AND APPARATUS FOR AUTOMATIC Input and Output Devices ENGAGEMENT
United States	14/582,113	12/23/2014	9,185,446	11/10/2015	METHOD AND APPARATUS FOR AUTOMATIC Input and Output Devices ENGAGEMENT
United States	14/923,061	10/26/2015	9,479,813	10/25/2016	METHOD AND APPARATUS FOR AUTOMATIC Input and Output Devices ENGAGEMENT
United States	15/332,743	10/24/2016			METHOD AND APPARATUS FOR AUTOMATIC Input and Output Devices ENGAGEMENT
United States	29/447,539	03/04/2013	D748,649	02/02/2016	DISPLAY SCREEN WITH AN ANIMATED ELECTRONIC PROGRAM

					GUIDE
United States	29/534,717	07/30/2015	D750,120	2/23/2016	DISPLAY SCREEN WITH AN ANIMATED ELECTRONIC PROGRAM GUIDE
United States	29/534,716	07/30/2015	D748,131	1/26/2016	DISPLAY SCREEN WITH AN ANIMATED ELECTRONIC PROGRAM GUIDE
United States	14/216,867	03/17/2014			METHOD AND APPARATUS FOR POPULATION OF CUSTOMIZED CHANNELS
United States	14/582,117	12/23/2014	9,420,338	08/16/2016	APPARATUS AND METHOD FOR PROVIDING POWER ON AND POWER OFF FOR A DISPLAY DEVICE
United States	14/582,120	12/23/2014			APPARATUS AND METHOD FOR TIMER-BASED CONTROL OF AUDIOVISUAL OUTPUT DEVICES
United States	14/755,753	06/30/2015	9,613,586	4/4/2017	APPARATUS AND METHOD FOR NAMING A DEVICE CONNECTED TO A TELEVISION
United States	15/436,041	2/17/2017			PROVIDING A REPRESENTATION FOR A DEVICE CONNECTED TO A DISPLAY DEVICE
United States	14/755,833	06/30/2015			APPARATUS AND METHOD FOR RESTORING A DISABLED TELEVISION SPEAKER
United States	14/582,132	12/23/2014			WIRELESS STREAMING SYSTEM WITH LOW POWER MODE AND ASSOCIATED REMOTE CONTROL
United States	14/536,481	11/07/2014			SYSTEM AND METHOD FOR FAST STARTING AN APPLICATION

PCT	PCT/US15/58894	11/03/2015			SYSTEM AND METHOD FOR FAST STARTING AN APPLICATION
PCT/EPC	15857063.0	05/25/2017			SYSTEM AND METHOD FOR FAST STARTING AN APPLICATION
United States	14/536,463	11/07/2014			SYSTEM AND METHOD FOR COLLECTING DATA
PCT	PCT/US15/58889	11/03/2015			SYSTEM AND METHOD FOR COLLECTING DATA
PCT/EPC	15856592.9	05/25/2017			SYSTEM AND METHOD FOR COLLECTING DATA
United States	15/010,788	01/29/2016			SELECTION OF VIDEO SEGMENTS FOR ADAPTIVE STREAMING
United States	14/710,226	5/12/2015			PROFILE DRIVEN COMMUNICATION POLLING FOR REMOTE CONTROL
PCT	PCT/US16/31739	5/11/2016			PROFILE DRIVEN COMMUNICATION POLLING FOR REMOTE CONTROL
United States	14/814,217	7/30/2015	9,601,006	3/21/2017	A UNIVERSAL REMOTE CONTROL WITH AUTOMATIC STATE SYNCHRONIZATION
PCT	PCT/US16/44052	7/26/2016			A UNIVERSAL REMOTE CONTROL WITH AUTOMATIC STATE SYNCHRONIZATION
United States	14/813,628	7/30/2015			AUDIO PREFERENCES FOR MEDIA CONTENT PLAYERS
PCT	PCT/US16/44053	7/26/2016			AUDIO PREFERENCES FOR MEDIA CONTENT PLAYERS
United States	14/813,584	7/30/2015			SOLID-STATE CAPTURE OF BROADCAST MEDIA

PCT	PCT/US16/43876	7/25/2016			SOLID-STATE CAPTURE OF BROADCAST MEDIA
United States	14/813,766	7/30/2015			MOBILE DEVICE BASED CONTROL DEVICE LOCATOR
PCT	PCT/US16/44054	7/26/2016			MOBILE DEVICE BASED CONTROL DEVICE LOCATOR
United States	15/249,985	8/29/2016			CROWD SOURCED INDEXING AND/OR SEARCHING OF AUDIO AND/OR VIDEO INFORMATION
PCT	PCT/US16/49234	8/29/2016			CROWD SOURCED INDEXING AND/OR SEARCHING OF AUDIO AND/OR VIDEO INFORMATION
United States	14/813,703	7/30/2015			DETECTION OF SMARTPHONE TO ENABLE CONTENT
United States	14/958,283	12/3/2015			DETECTION OF A MOBILE DEVICE TO IDENTIFY USER PREFERENCES AND PROVIDE CUSTOMIZED FUNCTIONALITY OR CONTENT
PCT	PCT/US16/43879	7/25/2016			DETECTION OF A SMARTPHONE TO ENABLE CONTENT
United States	14/857,876	9/18/2015			AUDIO COMMAND INTERFACE FOR A MULTIMEDIA DEVICE
PCT	PCT/US16/49677	8/31/2016			AUDIO COMMAND INTERFACE FOR A MULTIMEDIA DEVICE
United States	14/840,962	8/31/2015			DYNAMIC GENERATION OF TRICK MODE DATA
PCT	PCT/US16/49238	8/29/2016			DYNAMIC GENERATION OF TRICK MODE DATA
United States	15/588,314	5/5/2017			DYNAMIC GENERATION OF TRICK MODE DATA
United States	14/552,202	11/24/2014	9,270,563	02/23/2016	APPARATUS AND METHOD FOR CONTENT PLAYBACK UTILIZING

					CROWD SOURCED STATISTICS
United States	15/049,348	02/22/2016			APPARATUS AND METHOD FOR CONTENT PLAYBACK UTILIZING CROWD SOURCED STATISTICS
United States	PCT/US15/60987	11/17/2015			APPARATUS AND METHOD FOR CONTENT PLAYBACK UTILIZING CROWD SOURCED STATISTICS
PCT/EPC	15863991.4	05/25/2017			APPARATUS AND METHOD FOR CONTENT PLAYBACK UTILIZING CROWD SOURCED STATISTICS
United States	14/926,713	10/29/2015	9,621,989	4/11/2017	AUDIO DEVICE WITH AUTOMATIC FAN CONTROL BASED ON A VOLUME LEVEL OF AUDIO CONTENT
United States	15/455,520	3/10/2017			AUDIO DEVICE WITH AUTOMATIC FAN CONTROL BASED ON A VOLUME LEVEL OF AUDIO CONTENT
United States	29/548,956	12/17/2015	D783,552	4/11/2017	ELECTRONIC DEVICE
Canada	169083	6/17/2016	169083	5/5/2017	ELECTRONIC DEVICE
European Community Design	003190644-0001	6/15/2016	003190644-0001	6/15/2016	ELECTRONIC DEVICES (PART OF-)
United States	29/556,306	2/29/2016			DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE
Canada	169084	6/17/2016			DISPLAY SCREEN OR PORTION THEREOF

					WITH GRAPHICAL USER INTERFACE
European Community Design	003190644-0002	6/15/2016	003190644-0002	6/15/2016	GRAPHICAL USER INTERFACES (PART OF-)
European Community Design	003190644-0003	6/15/2016	003190644-0003	6/15/2016	GRAPHICAL USER INTERFACES (PART OF-)
United States	29/556,309	2/29/2016			DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE
Canada	169085	6/17/2016			DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE
European Community Design	003349810-0001	8/23/2016	003349810-0001	8/23/2016	ANIMATED GRAPHICAL USER INTERFACES (PART OF-)
United States	29/556,311	2/29/2016			DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE
Canada	169086	6/17/2016			DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE
European Community Design	003190644-0005	6/15/2016	003190644-0005	6/15/2016	GRAPHICAL USER INTERFACES (PART OF-)
European Community Design	003190644-0006	6/15/2016	003190644-0006	6/15/2016	GRAPHICAL USER INTERFACES (PART OF-)
United States	15/076,162	3/21/2016			CONTROLLING TELEVISION SETTINGS FROM A MOBILE DEVICE

PCT	PCT/US2017/22723	3/16/2017			CONTROLLING TELEVISION SETTINGS FROM A MOBILE DEVICE
United States	14/966,576	12/11/2015			USER IDENTIFICATION BASED ON THE MOTION OF A DEVICE
PCT	PCT/US2016/65634	12/8/2016			USER IDENTIFICATION BASED ON THE MOTION OF A DEVICE
United States	14/984,292	12/30/2015			PROVIDING ROLLING UPDATES OF DISTRIBUTED SYSTEMS WITH A SHARED CACHE
PCT	PCT/US2016/65625	12/8/2016			PROVIDING ROLLING UPDATES OF DISTRIBUTED SYSTEMS WITH A SHARED CACHE
United States	14/984,526	12/30/2015			ORIENTATION ADJUSTMENT FOR CASTING VIDEOS
PCT	PCT/US2016/66637	12/14/2016			ORIENTATION ADJUSTMENT FOR CASTING VIDEOS
United States	62/317,870	4/4/2016			STREAMING SYNCHRONIZED MEDIA CONTENT TO SEPARATE DEVICES
United States	15/220,696	7/27/2016			STREAMING SYNCHRONIZED MEDIA CONTENT TO SEPARATE DEVICES
United States	PCT/US17/25910	4/4/2017			STREAMING SYNCHRONIZED MEDIA CONTENT TO SEPARATE DEVICES
United States	15/283,932	10/3/2016			CONTROLLING DISPLAY OF MEDIA CONTENT
PCT	PCT/US2016/66906	12/15/2016			CONTROLLING




					DISPLAY OF MEDIA CONTENT
United States	29/556,313	2/29/2016	D781,911	3/21/2017	DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE
Canada	169087	6/17/2016			DISPLAY SCREEN OR PORTION THEREOF WITH ANIMATED GRAPHICAL USER INTERFACE
European Community Design	003190644-0007	6/15/2016	003190644-0007	6/15/2016	ANIMATED GRAPHICAL USER INTERFACES (PART OF-)
European Community Design	003190644-0008	6/15/2016	003190644-0008	6/15/2016	ANIMATED GRAPHICAL USER INTERFACES (PART OF-)
European Community Design	003190644-0009	6/15/2016	003190644-0009	6/15/2016	ANIMATED GRAPHICAL USER INTERFACES (PART OF-)
United States	15/070,800	3/15/2016			EFFICIENT COMMUNICATION INTERFACE FOR CASTING INTERACTIVELY CONTROLLED VISUAL CONTENT
PCT	PCT/US2017/22086	3/13/2017			EFFICIENT COMMUNICATION INTERFACE FOR CASTING INTERACTIVELY CONTROLLED VISUAL CONTENT
United States	15/010,857	1/29/2016			SELECTION AND ALIGNMENT OF VIDEO SEGMENTS FOR ADAPTIVE STREAMING
United States	15/010,916	1/29/2016			EXTENDED SELECTION AND ALIGNMENT OF VIDEO SEGMENTS FOR ADAPTIVE STREAMING










United States	15/070,491	3/15/2016			BROWN OUT DETECTION
United States	15/348,592	11/10/2016			INTERACTION RECOGNITION OF A TELEVISION CONTENT INTERACTION DEVICE
United States	15/225,338	8/1/2016			FLEXIBLE OUTPUT OF STREAMING MEDIA
United States	15/233,207	8/10/2016			DISTRIBUTED NETWORK VOICE PROCESSING SYSTEM
United States	15/357,319	11/21/2016			AUTOMATIC DISPLAY OF CLOSED CAPTIONING INFORMATION
United States	15/359,747	11/23/2016			PREDICTIVE APPLICATION CACHING
United States	15/357,595	11/21/2016			STREAMING CONTENT BASED ON SKIP HISTORIES
United States	15/357,289	11/21/2016			RECOMMENDING CONTENT BASED ON USER BEHAVIOR TRACKING AND ANALYSIS
United States	15/341,552	11/2/2016			IMPROVED RECEPTION OF AUDIO COMMANDS
United States	15/363,236	11/29/2016			SKIPPING CONTENT OF LESSER INTEREST WHEN STREAMING MEDIA
United States	15/478,413	4/4/2017			TIME AND CONTENT RESTRICTIONS BASED ON USER-IDENTIFICATION
United States	15/363,263	11/29/2016			ENHANCED TRICK MODE TO ENABLE PRESENTATION OF INFORMATION RELATED TO CONTENT BEING STREAMED
United States	15/478,444	4/4/2017			NETWORK-BASED USER IDENTIFICATION



United States	15/477,275	4/3/2017			REMOTE CONTROL WITH CONFIGURABLE BUTTONS
United States	15/455,561	3/10/2017			CONNECTOR DEVICE WITH ANTENNA CONNECTION
United States	15/465,147	3/21/2017			DISPLAY DIAGNOSTICS FOR ENHANCING PERFORMANCE OF DISPLAY DEVICES
United States	15/478,448	4/4/2017			INTERACTION-BASED USER IDENTIFICATION

EXHIBIT C













Trademarks










Trademark		Country	Appl. Date	Appl. No.	Reg. Date	Reg. No.
ROKU		Argentina	Jun-03-2011	3091934	Sep-06-2012	2525612
ROKU		Argentina	Jan-23-2015	3382101		
ROKU		Argentina	Jan-23-2015	3382103	Nov-25-2015	2770735
ROKU		Argentina	Jan-23-2015	3382104	Nov-25-2015	2770737
ROKU		Argentina	Jan-23-2015	3382105	Mar-6-2017	2871584
ROKU Logo (color)		Argentina	Jan-23-2015	3382106	Dec-30-2015	2778187
ROKU Logo (color)		Argentina	Jan-23-2015	3382107	Dec-30-2015	2778186
ROKU Logo (color)		Argentina	Jan-23-2015	3382108	Dec-30-2015	2778185
ROKU Logo (color)		Argentina	Jan-23-2015	3382109	Dec-12-2016	2857399
ROKU		Australia	Mar-31-2004	995815	Nov-22-2004	995815
ROKU		Australia (IR)	Jan-20-2015	1274422	Jan-20-2015	1735734 (based on IR 1274422)
ROKU Logo (color)		Australia (IR)	Jan-20-2015	1274421	Jan-20-2015	1735733 (based on IR 1274421)
ROKU STREAMING STICK		Australia	Jan-29-2016	1749233	Jan-29-2016	1749233
ROKU		Brazil	Jun-01-2011	831066938	Oct-14-2014	831066938
ROKU		Brazil	Jan-23-2015	908899297		
ROKU		Brazil	Jan-23-2015	908899416		
ROKU		Brazil	Jan-23-2015	908899530		
ROKU		Brazil	Jan-23-2015	908899602		
ROKU Logo (color)		Brazil	Jan-23-2015	908899840		

ROKU Logo (color)		Brazil	Jan-23-2015	908900015		
ROKU Logo (color)		Brazil	Jan-23-2015	908900643		
ROKU Logo (color)		Brazil	Jan-23-2015	908900724		
ROKU		Canada	Jan-26-2015	1712485		
ROKU & Design (color)	 	Canada	Jan-26-2015	1712484		
ROKU & Fabric Tag Design (color)		Canada	Jan-26-2015	1712482		
ROKU (Stylized)		Canada	Jan-26-2015	1712476		
ROKU READY and Design		Canada	Jul-10-2012	1585403	Jan-11-2016	TMA925580
ROKU		Canada	Jan-09-2006	1285374	Dec-05-2006	TMA678130
SOUNDBRIDGE		Canada	Dec-22-2004	1241729	Feb-01-2006	TMA657791
ROKU		Chile	May-30-2011	955105	Jul-09-2012	955087
ROKU		Chile	Jan-23-2015	1140342	Jan-13-2016	1192310
ROKU Logo (color)		Chile	Jan-23-2015	1140339	Jan-06-2016	1191460
ROKU		China	Nov-17-2016	TBD		
ROKU		China	Nov-17-2016	TBD		
ROKU		China	Nov-17-2016	TBD		
ROKU		China	Nov-17-2016	TBD		
ROKU		Columbia	Jun-22-2011	2011-078241	Apr-30-2012	2011-078241
ROKU		European Union (OHIM)	Oct-08-2003	3394558	Aug-29-2005	3394558
ROKU		European Union (OHIM)	Aug-08-2014	13156062	Dec-30-2014	13156062
ROKU & Fabric Tag Design (color)	 	European Union (OHIM)	Aug-08-2014	13156609	Dec-30-2014	13156609
ROKU (Stylized)		European Union	Aug-08-2014	13156179	Dec-30-2014	13156179

		(OHIM)				
ROKU Logo (color)		European Union (OHIM)	Aug-08-2014	13156369	Dec-30-2014	13156369
ROKU RADIO		European Union (OHIM)	Jul-11-2006	5192811	Jul-20-2007	5192811
ROKU STREAMING STICK		European Union (OHIM)	Aug-08-2014	13156724	Feb-02-2015	13156724
SOUNDBRIDGE		European Union (OHIM)	Dec-23-2004	4173845	Aug-25-2006	4173845
ROKU		Liechtenstein (IR)	Jan-20-2015	1274422	18-Nov-16	1274422
ROKU Logo (color)		Liechtenstein (IR)	Jan-20-2015	1274421	18-Nov-16	1274421
AHORA, ASÍ ES LA TV ("Now This Is TV")		Mexico	Sep-23-2015	99533	Aug-08-2016	94634
AHORA, ASÍ ES LA TV ("Now This Is TV")		Mexico	Sep-23-2015	99534	Feb-05-2016	91645
AHORA, ASÍ ES LA TV ("Now This Is TV")		Mexico	Sep-23-2015	99535	Aug-30-2016	95205
AHORA, ASÍ ES LA TV ("Now This Is TV")		Mexico	Sep-23-2015	99536	Feb-05-2016	91646
LO MEJOR QUE HA OCURRIDO A LA TV DESDE QUE SE INVENTÓ LA TV ("The Best Thing to Happen to TV Since TV")		Mexico	Sep-23-2015	99537	Aug-08-2016	94635
LO MEJOR QUE HA OCURRIDO A LA TV DESDE QUE SE INVENTÓ LA TV ("The Best Thing to Happen to TV Since TV")		Mexico	Sep-23-2015	99538	Feb-05-2016	91647
LO MEJOR QUE HA OCURRIDO A LA TV DESDE QUE SE INVENTÓ LA TV ("The Best Thing to		Mexico	Sep-23-2015	99539	Aug-30-2016	95206

Happen to TV Since TV")						
LO MEJOR QUE HA OCURRIDO A LA TV DESDE QUE SE INVENTÓ LA TV		Mexico	Sep-23-2015	99540	Feb-05-2016	91648
("The Best Thing to Happen to TV Since TV")						
EL CAMINO MÁS FÁCIL A UN SIN FIN DE ENTRETENIMIENTO		Mexico	Sep-23-2015	99541	Aug-08-2016	94636
("The Easiest Way to Endless Entertainment")						
EL CAMINO MÁS FÁCIL A UN SIN FIN DE ENTRETENIMIENTO		Mexico	Sep-23-2015	99542	Feb-05-2016	91649
("The Easiest Way to Endless Entertainment")						
EL CAMINO MÁS FÁCIL A UN SIN FIN DE ENTRETENIMIENTO		Mexico	Sep-23-2015	99543	Aug-30-2016	95207
("The Easiest Way to Endless Entertainment")						
EL CAMINO MÁS FÁCIL A UN SIN FIN DE ENTRETENIMIENTO		Mexico	Sep-23-2015	99544	Feb-05-2016	91650
("The Easiest Way to Endless Entertainment")						
ROKU		Mexico	Jun-02-2011	M1183287	Apr-30-2012	1282980
ROKU		Mexico (IR)	Jan-20-2015	(IR 1274422) M1685053		
ROKU		Mexico (IR)	Jan-20-2015	(IR 1274422) M1685054		
ROKU		Mexico (IR)	Jan-20-2015	(IR 1274422) M1685055		
ROKU		Mexico (IR)	Jan-20-2015	(IR 1274422) M1685056		

ROKU (Stylized)		Mexico (IR)	Sep-21-2015	(IR 1275160)		
				M1687884		
ROKU (Stylized)		Mexico (IR)	Sep-21-2015	(IR 1275160)		
				M1687885		
ROKU (Stylized)		Mexico (IR)	Sep-21-2015	(IR 1275160)		
				M1687886		
ROKU (Stylized)		Mexico (IR)	Sep-21-2015	(IR 1275160)		
				M1687887		
ROKU Logo (color)		Mexico (IR)	Jan-20-2015	(IR 1274421)		
				M1685049		
ROKU Logo (color)		Mexico (IR)	Jan-20-2015	(IR 1274421)		
				M1685050		
ROKU Logo (color)		Mexico (IR)	Jan-20-2015	(IR 1274421)		
				M1685051		
ROKU Logo (color)		Mexico (IR)	Jan-20-2015	(IR 1274421)		
				M1685052		
STREAMING STICK		Mexico	Sep-23-2015	M1660708	Mar-22-2016	1622651
ROKU		New Zealand (IR)	Jan-20-2015	(IR 1274422) 1032145	Aug-02-2016	1274422
ROKU Logo (color)		New Zealand (IR)	Jan-20-2015	(IR 1274421) 1032144	Jul-01-2016	1274421
ROKU		Norway (IR)	Jan-20-2015	1274422	Jul-1-2016	1274422
ROKU Logo (color)		Norway (IR)	Jan-20-2015	1274421	Jul-1-2016	1274421
ROKU POWERED (color)		Philippines	Sept-27-2016	4-2016-504962		
ROKU		Philippines	Sept-27-2016	4-2016-504963		
ROKU (Stylized)		Philippines	Sept-27-2016	4-2016-504964		

ROKU POWERED (color)		South Africa	Sept-27-2016	2016/27547		
ROKU		South Africa	Sept-27-2016	2016/27519		
ROKU (Stylized)		South Africa	Sept-27-2016	2016/27520		
ROKU		South Korea	Mar-31-2004	2004-0014643	Jul-13-2005	624674
				(Renewal Appl No 2015-0289855)		
ROKU		South Korea	Mar-23-2005	2005-0000173	Jan-12-2006	624674
ROKU		Switzerland (IR)	Jan-20-2015	1274422	Nov-1-2016	1274422
ROKU Logo (color)		Switzerland (IR)	Jan-20-2015	1274421	Oct-27-2016	1274421
ROKU		Taiwan	Feb-4-2016	105007435		
ROKU (Stylized)		Taiwan	Feb-4-2016	105007436		
ROKU STREAMING STICK		Taiwan	Feb-4-2016	105007441		
ROKU READY & Design		United Kingdom	Jul-10-2012	2627924	Oct-12-2012	2627924
3-D Remote Control (Purple Buttons & Strap)		United States of America	Jul-26-2012	85/690425	Apr-30-2013	4336488
3-D Set Top Box (Purple Top)		United States of America	Jul-26-2012	85/688053	Apr-30-2013	4329664
3-D Set Top Box (Purple Face)		United States of America	Jul-26-2012	85/691596	Apr-30-2013	4329666
3-D Set Top Box (Purple Bottom)		United States of America	Jul-26-2012	85/688052	Apr-30-2013	4329663
PURPLE FABRIC TAG (REMOTE)		United States of America	Aug-20-2014	86/372745	Oct-27-2015	4839473



CONTROL)						
PURPLE FABRIC TAG		United States of America	Aug-20-2014	86/372743	Nov-03-2015	4843920
(SET TOP BOX)						
ROKU		United States of America	Jul-25-2003	78/279128	Nov-28-2006	3177666
ROKU		United States of America	Jul-25-2014	86/347734	Apr-12-2016	4937513
ROKU & Design (Stylized)		United States of America	Jun-25-2012	85/660716	Feb-05-2013	4286059
ROKU & Fabric Tag Design		United States of America	Jul-25-2014	86/347740	Apr-12-2016	4937515
ROKU (Stylized)		United States of America	Jun-25-2012	85/660714	Feb-05-2013	4286058
ROKU (Stylized)		United States of America	Jul-25-2014	86/347736	Apr-12-2016	4937514
ROKU Logo (color)		United States of America	Jul-25-2014	86/347739	28-Feb-17	5151588
ROKU READY		United States of America	Jun-22-2012	85/659333	Apr-09-2013	4318939
ROKU READY & Box Design (Color)		United States of America	Jul-09-2012	85/671642	Apr-02-2013	4314899
STOP DREAMING. START STREAMING.		United States of America	Jun-30-2011	85/360478	Feb-21-2012	4102030
STREAMING STICK		United States of America	May-15-2014	86/282756	Oct-07-2014	4,618,984
THERE'S A TON OF ENTERTAINMENT IN THIS LITTLE BOX		United States of America	Jun-30-2011	85/360484	Feb-21-2012	4102031

EXHIBIT D

Mask Works

None.

2149005.2

2149005.2