

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3852329

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
VIZIO, INC.	04/13/2016
VIZIO INSCAPE TECHNOLOGIES, LLC	04/13/2016
VIZIO INSCAPE SERVICES, LLC	04/13/2016

**RECEIVING PARTY DATA**

<b>Name:</b>	BANK OF AMERICA, N.A.
<b>Street Address:</b>	333 SOUTH HOPE STREET
<b>Internal Address:</b>	13TH FLOOR
<b>City:</b>	LOS ANGELES
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90071

**PROPERTY NUMBERS Total: 198**

Property Type	Number
Patent Number:	6148205
Patent Number:	7050109
Patent Number:	7010599
Patent Number:	7196669
Patent Number:	7441031
Patent Number:	D585068
Patent Number:	9003280
Patent Number:	9131269
Patent Number:	8201100
Patent Number:	9131191
Patent Number:	8095655
Patent Number:	D606520
Patent Number:	8462276
Patent Number:	8438318
Patent Number:	8462967
Patent Number:	8854549
Patent Number:	8593573

PATENT

Property Type	Number
Patent Number:	8347325
Patent Number:	8355085
Patent Number:	8411208
Patent Number:	8502925
Patent Number:	8964007
Patent Number:	8466955
Patent Number:	8879989
Application Number:	12716294
Patent Number:	8531130
Patent Number:	D638397
Patent Number:	D660287
Patent Number:	8595781
Patent Number:	8769584
Patent Number:	8631168
Patent Number:	8681278
Patent Number:	9137576
Patent Number:	9176960
Patent Number:	D690680
Application Number:	12824418
Patent Number:	9110509
Patent Number:	8350919
Patent Number:	D662082
Patent Number:	D640239
Patent Number:	D640240
Patent Number:	D645844
Patent Number:	D645845
Patent Number:	D654907
Patent Number:	D655274
Patent Number:	D653235
Patent Number:	D656480
Patent Number:	D658157
Patent Number:	D649136
Patent Number:	D644192
Patent Number:	D645432
Patent Number:	D645831
Patent Number:	D649530
Patent Number:	D650365
Patent Number:	D650366

Property Type	Number
Patent Number:	D654450
Patent Number:	D656481
Patent Number:	D663721
Patent Number:	D703182
Patent Number:	D654887
Patent Number:	8552856
Patent Number:	D661286
Patent Number:	D665441
Patent Number:	D659095
Patent Number:	D664958
Patent Number:	D670282
Patent Number:	D673933
Patent Number:	D677255
Patent Number:	D691975
Patent Number:	D680507
Patent Number:	D687010
Patent Number:	D692858
Patent Number:	D694727
Patent Number:	D680076
Patent Number:	8887081
Patent Number:	D668255
Patent Number:	D699472
Patent Number:	D673965
Patent Number:	D673966
Patent Number:	D675219
Patent Number:	D675220
Patent Number:	D674811
Patent Number:	D673968
Patent Number:	D673969
Patent Number:	D673970
Patent Number:	D673971
Patent Number:	8423642
Patent Number:	D665383
Patent Number:	D694753
Patent Number:	D676040
Patent Number:	D669077
Patent Number:	D676041
Patent Number:	D676042

<b>Property Type</b>	<b>Number</b>
Patent Number:	D676048
Patent Number:	D678243
Patent Number:	D682820
Patent Number:	D692420
Patent Number:	D692421
Patent Number:	D676397
Patent Number:	D679704
Patent Number:	D679705
Patent Number:	D697911
Patent Number:	D638823
Patent Number:	D703660
Patent Number:	8584155
Application Number:	61765868
Patent Number:	D697499
Patent Number:	D734734
Patent Number:	D745479
Patent Number:	9110331
Patent Number:	9196855
Application Number:	13789430
Application Number:	13789392
Patent Number:	8988340
Patent Number:	D700376
Patent Number:	D701185
Patent Number:	D703167
Patent Number:	D715795
Patent Number:	D734326
Patent Number:	8736769
Patent Number:	D697055
Patent Number:	D710327
Patent Number:	D715769
Patent Number:	D721058
Application Number:	13859600
Patent Number:	D715770
Patent Number:	9197605
Patent Number:	9171509
Patent Number:	8912733
Patent Number:	9094633
Patent Number:	D697056

<b>Property Type</b>	<b>Number</b>
Patent Number:	D728495
Patent Number:	9177513
Application Number:	13900293
Application Number:	13906032
Patent Number:	8934059
Patent Number:	8953826
Patent Number:	8928744
Application Number:	13927309
Application Number:	13910456
Patent Number:	8723448
Patent Number:	9167300
Patent Number:	8898714
Application Number:	14098225
Application Number:	14168733
Patent Number:	D700155
Patent Number:	8930980
Patent Number:	9055309
Patent Number:	9055335
Patent Number:	9071868
Patent Number:	9094714
Patent Number:	9094715
Patent Number:	D707202
Patent Number:	D748075
Patent Number:	D748605
Patent Number:	D749532
Application Number:	29501378
Application Number:	29501383
Patent Number:	D729209
Application Number:	29501595
Application Number:	14481355
Patent Number:	D729755
Patent Number:	D741829
Patent Number:	D748596
Patent Number:	D730874
Patent Number:	D730875
Application Number:	29504351
Application Number:	29506008
Application Number:	29506009

Property Type	Number
Application Number:	29506010
Application Number:	14514202
Application Number:	14551933
Application Number:	62086113
Application Number:	14559513
Application Number:	14561893
Application Number:	14574627
Application Number:	14590446
Application Number:	62110024
Application Number:	14612355
Application Number:	14630296
Application Number:	14678856
Application Number:	62149193
Application Number:	62193322
Application Number:	62193331
Application Number:	62193342
Application Number:	62193345
Application Number:	62193351
Application Number:	14763158
Application Number:	14807849
Application Number:	29545650
Application Number:	29545651
Application Number:	29545652
Application Number:	29545653
Application Number:	29546000
Application Number:	29546001
Application Number:	15011099
Patent Number:	8860832
Patent Number:	D571744

**CORRESPONDENCE DATA**

**Fax Number:** (703)712-5050

*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:** 703-712-5352

**Email:** jmiller@mcguirewoods.com

**Correspondent Name:** JOYCE MILLER

**Address Line 1:** 1750 TYSONS BLVD.

**Address Line 2:** SUITE 1800

**Address Line 4:** TYSONS, VIRGINIA 22102

**PATENT**

**REEL: 038663 FRAME: 0097**

<b>NAME OF SUBMITTER:</b>	JOYCE MILLER
<b>SIGNATURE:</b>	/Joyce Miller/
<b>DATE SIGNED:</b>	04/29/2016
<b>Total Attachments: 21</b> source=ViziolPSecurityInterest#page1.tif source=ViziolPSecurityInterest#page2.tif source=ViziolPSecurityInterest#page3.tif source=ViziolPSecurityInterest#page4.tif source=ViziolPSecurityInterest#page5.tif source=ViziolPSecurityInterest#page6.tif source=ViziolPSecurityInterest#page7.tif source=ViziolPSecurityInterest#page8.tif source=ViziolPSecurityInterest#page9.tif source=ViziolPSecurityInterest#page10.tif source=ViziolPSecurityInterest#page11.tif source=ViziolPSecurityInterest#page12.tif source=ViziolPSecurityInterest#page13.tif source=ViziolPSecurityInterest#page14.tif source=ViziolPSecurityInterest#page15.tif source=ViziolPSecurityInterest#page16.tif source=ViziolPSecurityInterest#page17.tif source=ViziolPSecurityInterest#page18.tif source=ViziolPSecurityInterest#page19.tif source=ViziolPSecurityInterest#page20.tif source=ViziolPSecurityInterest#page21.tif	

**MEMORANDUM AND NOTICE OF SECURITY INTEREST  
IN INTELLECTUAL PROPERTY**

April 13, 2016

**VIZIO, INC.**, a California corporation ("Vizio"), **VIZIO INSCAPE TECHNOLOGIES, LLC**, a Delaware limited liability company ("Technologies"), and **VIZIO INSCAPE SERVICES, LLC** ("Services; together with Vizio and Technologies, the "Debtors"), hereby acknowledge that it has granted to **BANK OF AMERICA, N.A.**, a national banking association ("Secured Party"), whose address is 333 South Hope Street, 13th Floor, Los Angeles, California 90071, for the ratable benefit of the financial institutions from time to time party to the Agreement (as defined below), as Lenders (as defined in the Agreement), a security interest in and to all of Debtors' right, title and interest in and to: (a) the trademarks and trademark registrations and applications therefor owned by Debtors which are identified on Exhibit A attached hereto and herein incorporated by this reference (the "Trademarks"), together with the goodwill and assets of Debtors' business, as set forth in the Agreement; (b) the patents and patent applications owned by Debtors which are identified on Exhibit B attached hereto and herein incorporated by this reference (the "Patents"); and (c) the copyright registrations owned by Debtors which are identified on Exhibit C attached hereto and herein incorporated by this reference (the "Copyrights"), and all actions for infringement concerning the foregoing.

The terms and conditions of the aforementioned security interests are contained in that certain Loan and Security Agreement, dated as of April 13, 2016 (as amended, restated, amended or restated, supplemented or otherwise modified from time to time, the "Loan Agreement"), by and among Vizio, Secured Party, and Lenders, as security for the Obligations (as defined in the Agreement) as set forth in the Loan Agreement and other agreements referred to therein. Nothing contained in this Memorandum and Notice of Security Interest in Intellectual Property shall be construed as a present or absolute assignment of any of the collateral nor as limiting any interest which Secured Party may have in any other collateral described in the Loan Agreement or otherwise.

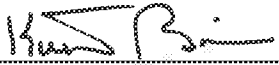
[Signature page to follow.]



IN WITNESS WHEREOF, the undersigned Debtors have duly executed this Memorandum and Notice of Security Interest in Intellectual Property as of the date first written above.

**DEBTORS:**

**VIZIO, INC.**, a California corporation

By:   
Name: Kurtis Binder  
Title: Vice President, Chief Financial Officer,  
Treasurer

**VIZIO INSCAPE TECHNOLOGIES, LLC.**,  
a Delaware limited liability company


By:   
Name: Kurtis Binder  
Title: Chief Financial Officer

**VIZIO INSCAPE SERVICES, LLC.**,  
a Delaware limited liability company

By:   
Name: Kurtis Binder  
Title: Chief Financial Officer

SECURED PARTY:

**BANK OF AMERICA, NA.,**  
as Agent and Lender

By:   
Name: Stephen J. King  
Title: Senior Vice President

Address:  
333 South Hope Street  
13th Floor  
Los Angeles, California 90071  
Attn: Vizio Portfolio Management

**EXHIBIT A**  
**TRADEMARKS**

Country	Trademark	Owner	Application # and Date (if known)	Registration # and Date (if known)	Status
United States of America	V Logo	VIZIO, Inc.	86/106857 10/31/2013		Published
United States of America	V Logo	VIZIO, Inc.	86/106863 10/31/2013		Published
United States of America	V Logo	VIZIO, Inc.	86/977117 10/31/2013	4877781 12/29/2015	Registered
United States of America	VIZIO	VIZIO, Inc.	86/106853 10/31/2013		Published
United States of America	VIZIO	VIZIO, Inc.	86/106859 10/31/2013		Published
United States of America	VIZIO	VIZIO, Inc.	86/977239 10/31/2013		Published
UNITED STATES	ACTIVE PIXEL TUNING	VIZIO, Inc.	86/635303		Pending
UNITED STATES	CLEAR ACTION	VIZIO, Inc.	86/635315		Pending
UNITED STATES	SPATIAL SCALING ENGINE	VIZIO, Inc.	86/635320		Pending
UNITED STATES	ULTRA COLOR SPECTRUM	VIZIO, Inc.	86/632791		Allowed
UNITED STATES	BUDDYTV	<b>VIZIO Inscape Services, LLC</b>	78/739446	3442475	Registered
UNITED STATES	COGNITIVE NETWORKS	<b>VIZIO Inscape Technologies, LLC</b>	85776865	4499124	Registered
UNITED STATES	240 Hz SPS Scenes Per Second	VIZIO, Inc.	77/729614	3875107	REGISTERED
UNITED STATES	480 Hz SPS Scenes Per Second (Design)	VIZIO, Inc.	85/179411	4,043,537	REGISTERED

Country	Trademark	Owner	Application # and Date (if known)	Registration # and Date (if known)	Status
UNITED STATES	Active LED Zones	VIZIO, Inc.	86/331985	4815939	REGISTERED
UNITED STATES	CINEMAWIDE	VIZIO, Inc.	85/063,716	4,324,763	REGISTERED
UNITED STATES	CO-STAR	VIZIO, Inc.	85/687280	4,481,915	REGISTERED
UNITED STATES	DESIGN - (Smart Dimming Logo)	VIZIO, Inc.	77/747023	3,923,757	REGISTERED
UNITED STATES	DESIGN - (TRULED Logo)	VIZIO, Inc.	77/747074	3,897,795	REGISTERED
UNITED STATES	Design (ENTERTAINMENT FREEDOM)	VIZIO, Inc.	85/296953	4289610	REGISTERED
UNITED STATES	Design (Theater 3D)	VIZIO, Inc.	85/175018	4085345	REGISTERED
UNITED STATES	Design (V, stylized)	VIZIO, Inc.	78/355293	3026663	REGISTERED
UNITED STATES	ENTERTAINMENT FREEDOM	VIZIO, Inc.	85/296931	4289609	REGISTERED
UNITED STATES	ENTERTAINMENT FREEDOM FOR ALL	VIZIO, Inc.	85/175969	4172382	REGISTERED
UNITED STATES	GALLEVIA	VIZIO, Inc.	78/962054	3801272	REGISTERED
UNITED STATES	Home Theater Display	VIZIO, Inc.	86/507,408		PENDING
UNITED STATES	Home Theatre Display	VIZIO, Inc.	86/507,411		PENDING
UNITED STATES	PLAYPOINT	VIZIO, Inc.	85/704734	4,548,307	REGISTERED
UNITED STATES	THEATER 3D	VIZIO, Inc.	85/063575	4,027,198	REGISTERED
UNITED STATES	TOP VALUE PERFORMER	VIZIO, Inc.	77/378390	3793658	REGISTERED

Country	Trademark	Owner	Application # and Date (if known)	Registration # and Date (if known)	Status
UNITED STATES	TRULED	VIZIO, Inc.	77/746972	3848652	REGISTERED
UNITED STATES	TVP	VIZIO, Inc.	77/378395	3793659	REGISTERED
UNITED STATES	V VIZIO	VIZIO, Inc.	78/811,547	4,621,356	REGISTERED
UNITED STATES	V, Stylized (Design) [New logo]	VIZIO, Inc.	85/175945	4388491	REGISTERED
UNITED STATES	V, Stylized with Shadowing (Design)	VIZIO, Inc.	85/175986	4392676	REGISTERED
UNITED STATES	VIZIO	VIZIO, Inc.	78/978090	3235417	REGISTERED
UNITED STATES	VIZIO (additional goods)	VIZIO, Inc.	85/294490	4,053,025	REGISTERED
UNITED STATES	VIZIO Home Theater	VIZIO, Inc.	86/507413		ALLOWED
UNITED STATES	VIZIO Home Theatre	VIZIO, Inc.	86/507406		ALLOWED
UNITED STATES	VIZIO INTERNET APPS	VIZIO, Inc.	77/724402	3835959	REGISTERED
UNITED STATES	VIZIO INTERNET APPS PLUS	VIZIO, Inc.	85/296978	4369035	REGISTERED
UNITED STATES	VIZIO TOP VALUE PERFORMER	VIZIO, Inc.	77/378431	3793660	REGISTERED
UNITED STATES	VIZIO TVP	VIZIO, Inc.	77/378420	3796179	REGISTERED
UNITED STATES	WIRELESS HD AUDIO (Design)	VIZIO, Inc.	85/042002	4158311	REGISTERED
UNITED STATES	WHERE VISION MEETS VALUE	VIZIO, Inc.	78/577333	3710561	REGISTERED

**EXHIBIT B****PATENTS**

<b>Country</b>	<b>Title</b>	<b>Patent Number Grant/Issue Number</b>	<b>Application Number</b>	<b>Application Date Filing or 371(c) Date</b>	<b>Owner</b>	<b>Status</b>
United States	Method and apparatus for secure registration within an in-home wireless network	6,148,205	09/107,640	6/30/1998	VIZIO, Inc.	Issued
United States	Methods and apparatus for the provision of user selected advanced close captions	7,050,109	09/798,682	3/2/2001	VIZIO, Inc.	Issued
United States	System using access information set by a user to allow another user to access updated portion of contact and personal information of the user	7,010,599	09/862,111	5/21/2001	<b>VIZIO, Inc.</b>	Issued
United States	Wireless Telecommunication Device	7,196,669	11/110,929	4/21/2005	VIZIO, Inc.	Issued
United States	System using registration information set by a user to allow other users to access updated portion of contact information of the user	7,441,031	11/300,668	12/13/2005	<b>VIZIO, Inc.</b>	Issued
United States	MEMORY CARD WITH CONTACT EXPOSING OPENINGS	D585,068	29/297,432	11/9/2007	VIZIO, Inc.	Issued
United States	Displaying still and moving images of a constant size or images that occupy a specified percentage of a screen across different size display screens	9,003,280	12/118,523	5/9/2008	VIZIO, Inc.	Issued
United States	Method and apparatus for freezing a video stream on a digital television display such that the frame freeze point is before the viewer initiates the event	9,131,269	12/194,418	8/19/2008	VIZIO, Inc.	Issued
United States	METADATA DRIVEN CONTROL OF NAVIGATIONAL SPEED THROUGH A	8,201,100	12/204,522	9/4/2008	VIZIO, Inc.	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	USER INTERFACE					
United States	Synchronizing operational states of closed captioning and audio mute	9,131,191	12/233,120	9/18/2008	VIZIO, Inc.	Issued
United States	System and method for controlled access to up-to-date contact information	8,095,655	12/253,263	10/17/2008	VIZIO, Inc.	Issued
United States	TELEVISION REMOTE CONTROL	D606,520	29/340,896	6/30/2009	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR ILLUMINATING A BEZEL	8,462,276	12/509,897	7/27/2009	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR RESPONDING TO DEVICE ATTACHMENT	8,438,318	12/512,300	7/30/2009	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR TELEVISION SPEAKER CONFIGURATION	8,462,967	12/512,263	7/30/2009	VIZIO, Inc.	Issued
United States	DUAL SLIDER BAR CONTROL	8,854,549	12/512,286	7/30/2009	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR DETECTING DOCKING OF HEADPHONES	8,593,573	12/637,372	12/14/2009	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR VIEWER DETECTION AND ACTION	8,347,325	12/645,371	12/22/2009	VIZIO, Inc.	Issued
United States	TELEVISION REMOTE CONTROL UPDATE UPON EVENT	8,355,085	12/648,318	12/29/2009	VIZIO, Inc.	Issued
United States	ATTACHED DEVICE CONTROL ON TELEVISION EVENT	8,411,208	12/648,320	12/29/2009	VIZIO, Inc.	Issued
United States	TELEVISION PROGRAMMING OF A REMOTE CONTROL	8,502,925	12/648,322	12/29/2009	VIZIO, Inc.	Issued
United States	FRAME SYSTEM, METHOD AND	8,964,007	12/697,312	2/1/2010	VIZIO, Inc.	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	APPARATUS FOR SYNCHRONIZING THREE-DIMENSIONAL EYEWEAR					
United States	SYSTEM, METHOD AND APPARATUS FOR WIRELESS SYNCHRONIZING THREE-DIMENSIONAL EYEWEAR	8,466,955	12/703,213	2/10/2010	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR DISPLAYING CALLER-IDENTIFICATION	8,879,989	12/716,293	3/3/2010	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR INTEGRATING SOCIAL FUNCTIONS INTO A DEVICE		12/716,294	3/3/2010	VIZIO, Inc.	Non Final Action Mailed (3-17-16)
United States	SYSTEM, METHOD AND APPARATUS FOR BRIGHTNESS ADJUSTING OF AN ILLUMINATED LOGO	8,531,130	12/750,726	3/31/2010	VIZIO, Inc.	Issued
United States	HOME THEATER HEADPHONE	D638,397	29/360,997	5/4/2010	VIZIO, Inc.	Issued
United States	HOME THEATER HEADPHONE DOCKING STATION	D660,287	29/360,992	5/4/2010	VIZIO, Inc.	Issued
United States	Methods for Identifying Video Segments and Displaying Contextual Targeted Content on a Connected Television	8,595,781	12/788,721	5/27/2010	<b>VIZIO Inscape Technologies, LLC</b>	Issued
United States	Methods for Displaying Contextually Targetted Content On a Connected Television	8,769,584	12/788,748	5/27/2010	<b>VIZIO Inscape Technologies, LLC</b>	Issued
United States	INPUT SELECTION MECHANISM FOR A DISPLAY DEVICE	8,631,168	12/824,488	6/28/2010	VIZIO, Inc.	Issued
United States	SYSTEM, METHOD AND APPARATUS FOR VOLUME CONTROL	8,681,278	12/824,304	6/28/2010	VIZIO, Inc.	Issued
United States	DEVICE-BASED ONE BUTTON SHOPPING	9,137,576	12/824,460	6/28/2010	VIZIO, Inc.	Issued



Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	USING METADATA					
United States	PLAYLIST OF MULTIPLE OBJECTS ACROSS MULTIPLE PROVIDERS	9,176,960	12/824,316	6/28/2010	VIZIO, Inc.	Issued
United States	WIRELESS HEADPHONES	D690,680	29/364,710	6/28/2010	VIZIO, Inc.	Issued
United States	SELECTING REMOTE SERVICES THROUGH AN ELECTRONIC PROGRAM GUIDE		12/824,418	6/28/2010	VIZIO, Inc.	Notice of Appeal Filed (12-3-15)
United States	SYSTEM, METHOD AND APPARATUS FOR CONTROLLING PRESENTATION OF CONTENT	9,110,509	12/844,921	7/28/2010	VIZIO, Inc.	Issued
United States	CONFIGURATION OF A DEVICE BASED UPON ORIENTATION	8,350,919	12/878,050	9/9/2010	VIZIO, Inc.	Issued
United States	PORTABLE DEVICE DOCKING STATION	D662,082	29/379,718	11/23/2010	VIZIO, Inc.	Issued
United States	AUDIO SYSTEM REMOTE CONTROL	D640,239	29/381,164	12/10/2010	VIZIO, Inc.	Issued
United States	AUDIO SYSTEM REMOTE CONTROL	D640,240	29/381,167	12/10/2010	VIZIO, Inc.	Issued
United States	SATELLITE SPEAKER	D645,844	29/381,165	12/10/2010	VIZIO, Inc.	Issued
United States	WOOFER	D645,845	29/381,166	12/10/2010	VIZIO, Inc.	Issued
United States	SOUND BAR SPEAKER SYSTEM	D654,907	29/381,162	12/16/2010	VIZIO, Inc.	Issued
United States	SOUND BAR SPEAKER SYSTEM	D655,274	29/381,163	12/16/2010	VIZIO, Inc.	Issued
United States	EAR BUD ASSEMBLY	D653,235	29/382,621	1/5/2011	VIZIO, Inc.	Issued
United States	EAR BUD ASSEMBLY	D656,480	29/382,622	1/5/2011	VIZIO, Inc.	Issued
United States	EAR BUD ASSEMBLY	D658,157	29/382,620	1/5/2011	VIZIO, Inc.	Issued
United States	WOOFER	D649,136	29/382,765	1/7/2011	VIZIO, Inc.	Issued
United States	ELECTRONIC HOUSING	D644,192	29/384,616	2/1/2011	VIZIO, Inc.	Issued
United States	TELEVISION HOUSING	D645,432	29/384,618	2/1/2011	VIZIO, Inc.	Issued
United States	ELECTRONIC HOUSING	D645,831	29/384,619	2/1/2011	VIZIO, Inc.	Issued
United States	TELEVISION REMOTE WITH SLIDE	D649,530	29/384,615	2/1/2011	VIZIO, Inc.	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	KEYBOARD					
United States	TELEVISION REMOTE CONTROL	D650,365	29/384,610	2/1/2011	VIZIO, Inc.	Issued
United States	TELEVISION REMOTE WITH MULTIPLE SURFACES	D650,366	29/384,614	2/1/2011	VIZIO, Inc.	Issued
United States	ELECTRONIC DEVICE WITH DOCK	D654,450	29/384,609	2/1/2011	VIZIO, Inc.	Issued
United States	EARBUD WITH CURVED SURFACES	D656,481	29/384,620	2/1/2011	VIZIO, Inc.	Issued
United States	TELEVISION REMOTE CONTROL	D663,721	29/384,612	2/1/2011	VIZIO, Inc.	Issued
United States	ELECTRONIC DEVICE WITH DOCK	D703,182	29/384,622	2/1/2011	VIZIO, Inc.	Issued
United States	CELLULAR PHONE CASING	D654,887	29/385,676	2/17/2011	VIZIO, Inc.	Issued
United States	LOW BATTERY REMOTE DISPLAY SYSTEM	8,552,856	13/075,156	6/13/2011	VIZIO, Inc.	Issued
United States	WIRELESS HDMI TRANSMITTER	D661,286	29/394,052	6/13/2011	VIZIO, Inc.	Issued
United States	DESKTOP CAMERA	D665,441	29/394,053	6/13/2011	VIZIO, Inc.	Issued
United States	DECORATIVE CORNER BLOCK	D659,095	29/398,290	7/28/2011	VIZIO, Inc.	Issued
United States	TABLET DOCK	D664,958	29/398,286	7/28/2011	VIZIO, Inc.	Issued
United States	CELLULAR PHONE DOCK	D670,282	29/398,289	7/28/2011	VIZIO, Inc.	Issued
United States	AUDIO WOOFER	D673,933	29/398,285	7/28/2011	VIZIO, Inc.	Issued
United States	ELECTRONIC TABLET	D677,255	29/398,297	7/28/2011	VIZIO, Inc.	Issued
United States	TELEVISION OR MONITOR HOUSING	D691,975	29/398,294	7/28/2011	VIZIO, Inc.	Issued
United States	TELEVISION OR MONITOR HOUSING	D680,507	29/398,729	8/3/2011	VIZIO, Inc.	Issued
United States	Electronic Device for wireless HDML	D687,010	29/398,726	8/3/2011	VIZIO, Inc.	Issued
United States	Sound bar speaker	D692,858	29/398,727	8/3/2011	VIZIO, Inc.	Issued
United States	TELEVISION OR MONITOR HOUSING	D694,727	29/399,425	8/14/2011	VIZIO, Inc.	Issued
United States	USB Cable	D680,076	29/399,615	8/16/2011	VIZIO, Inc.	Issued
United States	Touch Display Unlock Mechanism	8,887,081	13/244,325	9/24/2011	VIZIO, Inc.	Issued
United States	PORTABLE	D668,255	29/403,956	10/13/2011	VIZIO, Inc.	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
States	COMPUTER DOCK					
United States	COMPUTER MONITOR	D669,472	29/403,951	10/13/2011	VIZIO, Inc.	Issued
United States	COMPUTER SCREEN WITH GRAPHICAL USER INTERFACE	D673,965	29/403,943	10/13/2011	VIZIO, Inc.	Issued
United States	COMPUTER SCREEN WITH GRAPHICAL USER INTERFACE	D673,966	29/403,946	10/13/2011	VIZIO, Inc.	Issued
United States	USER INTERFACE FOR A COMPUTER WITH REMOV AFTER HOLDING FUNCTION	D675,219	29/403,948	10/13/2011	VIZIO, Inc.	Issued
United States	COMPUTER SCREEN WITH GRAPHICAL USER INTERFACE	D675,220	29/403,974	10/13/2011	VIZIO, Inc.	Issued
United States		D674,811	29/404,224	10/18/2011	VIZIO, Inc.	Issued
United States	COMPUTER SCREEN WITH GRAPHICAL USER INTERFACE	D673,968	29/405,217	10/31/2011	VIZIO, Inc.	Issued
United States	COMPUTER SCREEN WITH GRAPHICAL USER INTERFACE	D673,969	29/405,221	10/31/2011	VIZIO, Inc.	Issued
United States	COMPUTER SCREEN WITH GRAPHICAL USER INTERFAC	D673,970	29/405,226	10/31/2011	VIZIO, Inc.	Issued
United States	CONTAINER DISPLAY AND STORAGE APPARATUS	D673,971	29/405,288	10/31/2011	VIZIO, Inc.	Issued
United States	System and method for controlled access to uptodate contact information	8,423,642	13/312071	12/6/2011	VIZIO, Inc.	Issued
United States	ALL IN ONE KEYBOARD	D665,383	29/409,976	12/30/2011	VIZIO, Inc.	Issued
United States	Optical Drive	D694,753	29/409,977	12/30/2011	VIZIO, Inc.	Issued
United States	PORTABLE NOTEBOOK COMPUTER	D676,040	29/412,302	2/1/2012	VIZIO, Inc.	Issued
United States	ALL IN ONE DISPLAY SCREEN	D669,077	29/412,452	2/3/2012	VIZIO, Inc.	Issued
United States	PORTABLE NOTEBOOK COMPUTER	D676,041	29/412,451	2/3/2012	VIZIO, Inc.	Issued
United States	PORTABLE NOTEBOOK	D676,042	29/412,450	2/3/2012	VIZIO, Inc.	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	COMPUTER					
United States	KEYBOARD	D676,048	29/412,467	2/3/2012	VIZIO, Inc.	Issued
United States	SUBWOOFER	D678,243	29/412,465	2/3/2012	VIZIO, Inc.	Issued
United States	PORTABLE NOTEBOOK COMPUTER	D682,820	29/412,447	2/3/2012	VIZIO, Inc.	Issued
United States	All in one Computer	D692,420	29/412,470	2/3/2012	VIZIO, Inc.	Issued
United States	Tablet	D692,421	29/412,471	2/3/2012	VIZIO, Inc.	Issued
United States	TELEVISION	D676,397	29/415,701	3/13/2012	VIZIO, Inc.	Issued
United States	Touchscreen Computer	D679,704	29/417,915	4/10/2012	VIZIO, Inc.	Issued
United States	Portable Notebook Computer	D679,705	29/417,921	4/10/2012	VIZIO, Inc.	Issued
United States	Tablet Computer	D697,911	29/417,922	4/10/2012	VIZIO, Inc.	Issued
United States	SOUND BAR SPEAKER SYSTEM	D638,823	29/364,707	6/28/2012	VIZIO, Inc.	Issued
United States	Notebook Computer	D703,660	29/438,429	11/29/2012	VIZIO, Inc.	Issued
United States	System, Method and Apparatus for Viewer Detection and Action	8,584,155	13/732,393	1/1/2013	VIZIO, Inc.	Issued
United States	Thin backlight for LCD displays through use of Field-Induced Polymer electro Luminescence panels		61/765,868	2/18/2013	VIZIO, Inc.	Pending
United States	Portable Telephone	D697,499	29/446,836	2/27/2013	VIZIO, Inc.	Issued
United States	Portable Telephone	D734,734 S	29/446,827	2/27/2013	VIZIO, Inc.	Issued
United States	Set Top Box	D745,479 S	29/446,833	2/27/2013	VIZIO, Inc.	Issued
United States	Ultra-This Backlight for LCD Displays Through Use of Field-Induced Polymer Electro Luminescence Panels Including Integrated Bight Guide	9,110,331	13/800,064	3/13/2013	VIZIO, Inc.	Issued
United States	Zone backlighting for LCD displays through use of Field-Induced Polymer electro	9,196,855 B2	13/801,436	3/13/2013	VIZIO, Inc.	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	luminescence panels					
United States	Method and apparatus to construct an ultrathin display panel	Notice of allowance mailed - patent number pending	13/789,430	3/13/2013	VIZIO, Inc.	Notice of Allowance Mailed -- Application Received in Office of Publications (3-29-16)
United States	This backlight for LCD Displays through use of field-induced polymer electro luminescence panels		13/789,392	3/13/2013	VIZIO, Inc.	Non Final Action Mailed (03-03-16)
United States	Control color and white temperature in an LCD display by modulating backlight supply current frequency	8,988,340	13/844,845	3/16/2013	VIZIO, Inc.	Issued
United States	Light Bulb	D700,376	29/451,299	3/29/2013	VIZIO, Inc.	Issued
United States	Television	D701,185	29/451,303	3/29/2013	VIZIO, Inc.	Issued
United States	Television	D703,167	29/451,301	3/29/2013	VIZIO, Inc.	Issued
United States	Television	D715,795	29/451,306	3/29/2013	VIZIO, Inc.	Issued
United States	Tablet	D734,326 S	29/451,309	3/29/2013	VIZIO, Inc.	Issued
United States	ATTACHED DEVICE CONTROL ON TELEVISION EVENT	8,736,769	13/855,110	4/2/2013	VIZIO, Inc.	Issued
United States	Remote Control	D697,055	29/451,860	4/9/2013	VIZIO, Inc.	Issued
United States	uspto	D710,327	29/451,856	4/9/2013	VIZIO, Inc.	Issued
United States	Soundbar	D715,769	29/451,855	4/9/2013	VIZIO, Inc.	Issued
United States	Speaker	D721,058	29/451,859	4/9/2013	VIZIO, Inc.	Issued
United States	FIPEL Backlight Panel with Pixel Color Film for Displays		13/859,600	4/10/2013	VIZIO, Inc.	Non Final Action Mailed (1-11-16)
United States	Curved Subwoofer	D715,770	29/452,229	4/13/2013	VIZIO, Inc.	Issued
United States	SYSTEM AND METHOD FOR CONTROLLED	9,197,605	13/862,432	4/14/2013	VIZIO, Inc.	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	ACCESS TO UP-TO-DATE CONTACT INFORMATION					
United States	A single backlight source where the backlight emits pure colored light in a sequential manner where the sequence is red, blue and green	9171509	13/866,355	4/19/2013	VIZIO, Inc.	Issued
United States	A light bulb and florescent tube replacement using FIPEL panels	8,912,733	13/887,294	5/4/2013	VIZIO, Inc.	Issued
United States	System, method and apparatus for responding to device attachment	9,094,633	13/888,554	5/7/2013	VIZIO, Inc.	Issued
United States	Remote Control	D697,056	29/454,617	5/13/2013	VIZIO, Inc.	Issued
United States	Electronics Box	D728,495	29/454,615	5/13/2013	VIZIO, Inc.	Issued
United States	Electroluminescent display where each pixel can emit light of any EIA color index	9,177,513	13/899,677	5/22/2013	VIZIO, Inc.	Issued
United States	Light Emitting Surface		13/900,293	5/22/2013	VIZIO, Inc.	Advisory Action Mailed (3-4-16)
United States	Transparent FIPEL backlight panels which display colored light from a front surface to a light modulator and a white light from a back surface	Notice of allowance mailed - patent number pending	13/906,032	5/30/2013	VIZIO, Inc.	Notice of Allowance Mailed -- Application Received in Office of Publications (3-25-16)
United States	System, Method and Apparatus for Illuminating a Bezel	8,934,059	13/915,144	6/11/2013	VIZIO, Inc.	Issued
United States	System, Method, and Apparatus for Television	8,953,826	13/915,100	6/11/2013	VIZIO, Inc.	Issued
United States	System, Method, and Apparatus for Wireless Synchronizing Three-Dimensional Eyewear	8,928,744	13/920,239	6/18/2013	VIZIO, Inc.	Issued
United States	FIPEL Panel light bulb with tunable color		13/927,309	6/26/2013	VIZIO, Inc.	Publications -- Issue Fee Payment Verified (3-

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
						31-16)
United States	Transparent FIPEL pixel panels displaying a normal image from the front surface and a reverse image from the back surface		13/910,456	8/6/2013	VIZIO, Inc.	Advisory Action Mailed (3-9-16)
United States	System , Method, and Apparatus for Brightness Adjusting of an illuminating Logo	8,723,448	14/022,418	9/10/2013	VIZIO, Inc.	Issued
United States	Muting Notification System	9,167,300	14/061,851	10/24/2013	VIZIO, Inc.	Issued
United States	Methods for Identifying Video Segments and Displaying Contextual Targeted Content on a Connected Television	8,898,714	14/089,003	11/25/2013	VIZIO Inscap Technologies, LLC	Issued
United States	Using Quantum Dots for extending the color gamut of LCD displays	Notice of allowance mailed - patent number pending	14/098,225	12/5/2013	VIZIO Inscap Technologies, LLC	Notice of Allowance Mailed -- Application Received in Office of Publications (2-2-16)
United States	Predictive time to turn on a television based on previously used program schedules		14/168,733	1/30/2014	VIZIO, Inc.	Ex parte Quayle Action Mailed (2-1-16)
United States	Television	D700,155	29/454,614	2/5/2014	VIZIO, Inc.	Issued
United States	Systems and methods for real-time television ad detection using an automated content recognition database	8,930,980	14/217,094	3/17/2014	VIZIO Inscap Technologies, LLC	Issued
United States	Systems and Methods for Identifying Video Segments for Displaying Contextually Relevant Content	9,055,309	14/217,075	3/17/2014	VIZIO Inscap Technologies, LLC	Issued
United States	Systems and Methods for Addressing a Media Database Using Distance Associative Hashing	9,055,335	14/217,039	3/17/2014	VIZIO Inscap Technologies, LLC	Issued
United States	Systems and Methods for Improving Server and Client Performance	9,071,868	14/217,425	3/17/2014	VIZIO Inscap Technologies,	Issued

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	in Fingerprint ACR Systems				LLC	
United States	Systems and Methods for On-Screen Graphics Detection	9,094,714	14/217,375	3/17/2014	VIZIO Inscap Technologies, LLC	Issued
United States	Systems and Methods for Multi-Broadcast Differentiation	9,094,715	14/217,435	3/17/2014	VIZIO Inscap Technologies, LLC	Issued
United States	Curved Subwoofer	D707,202	29/451,311	3/29/2014	VIZIO, Inc.	Issued
United States	Audio Device	D748,075	29/499,930	8/20/2014	VIZIO, Inc.	Issued 1-6-16
United States	Audio Device	D748,605	29/499,938	8/20/2014	VIZIO, Inc.	Issued 2-2-16
United States	Television	D749,532	29/499,939	8/20/2014	VIZIO, Inc.	Issued 1-27-2016
United States	Satellite Speaker		29/501378	9/3/2014	VIZIO, Inc.	Pending
United States	Subwoofer Speaker		29/501383	9/3/2014	VIZIO, Inc.	Pending
United States	Remote Control	D729,209	29/501,601	9/5/2014	VIZIO, Inc.	Issued
United States	Soundstand		29/501,595	9/5/2014	VIZIO, Inc.	Pending
United States	Encrypted streams to receivers		14/481,355	9/9/2014	VIZIO, Inc.	Non Final Action Mailed (3-9-16)
United States	Television	D729,755	29/503,136	9/23/2014	VIZIO, Inc.	Issued
United States	Television	D741,829 S	29/503,134	9/23/2014	VIZIO, Inc.	Issued
United States	Television	D748,596	29/503,422	9/25/2014	VIZIO, Inc.	Issued 1-13-16
United States	Remote Control	D730,874	29/504,348	10/4/2014	VIZIO, Inc.	Issued
United States	Remote Control (soundbar remote with display)	D730,875	29/504,349	10/4/2014	VIZIO, Inc.	Issued
United States	Remote Control (soundbar remote without display)		29/504,351	10/4/2014	VIZIO, Inc.	Pending
United States	Speaker		29/506,008	10/12/2014	VIZIO, Inc.	Pending
United States	Soundbar		29/506,009	10/12/2014	VIZIO, Inc.	Pending
United States	SUBWOOFER		29/506,010	10/12/2014	VIZIO, Inc.	Pending



Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
United States	Retail Demo Mode on GPS or IP Reverse Look Up		14/514,202	10/14/2014	VIZIO, Inc.	Pending
United States	Methods for Identifying Video Segments and Displaying Contextual Targeted Content on a Connected Television		14/551,933	11/24/2014	VIZIO Inscap Technologies, LLC	Non Final Action Mailed (12-29-15)
United States	Audio Matching Using Path Pursuit		62/086,113	12/1/2014	VIZIO Inscap Technologies, LLC	Pending
United States	Augmented reality remote control		14/559,513	12/3/2014	VIZIO Inscap Technologies, LLC	Pending
United States	Encrypted streams to receivers		14/561,893	12/5/2014	VIZIO, Inc.	Pending
United States	Augmented reality remote control		14/574,627	12/18/2014	VIZIO, Inc.	Pending
United States	Augmented reality remote control IR Sensor embedded in direct LED backlight and LCD panels and assemblies for receiving IR command codes from a remote.		14/590,446	1/6/2015	VIZIO, Inc.	Pending
United States	Methods for Identifying Video Segments and Displaying Option To View From An Alternative Source And/Or On An Alternative Device		62/110,024	01/30/2015	VIZIO Inscap Technologies, LLC	Pending
United States	Multi Device Network Setup		14/612,355	2/3/2015	VIZIO, Inc.	Pending
United States	Global setting for casting content to networked renderer		14/630,296	2/24/2015	VIZIO, Inc.	Pending
United States	Systems and Methods for Addressing a Media Database Using Distance Associative Hashing		14/678,856	04/03/2015	VIZIO Inscap Technologies, LLC	Response to Non-Final Office Action Entered and Forwarded to Examiner (3-3-16)
United States	System and Methods of Pointless Matching		62/149,193	04/17/2015	VIZIO Inscap	Pending

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
					Technologies, LLC	
United States	ACR Detection of Programming Segments Common To a Plurality Of Television Channels		62/193,322	07/14/2015	VIZIO Inscap Technologies, LLC	Pending
United States	Weighted Prediction of Media Fingerprint Retention Requirements To Optimize System Resource Utilization		62/193,331	07/14/2015	VIZIO Inscap Technologies, LLC	Pending
United States	Run-Length-Like Encoding Of Cue Data		62/193,342	07/14/2015	VIZIO Inscap Technologies, LLC	Pending
United States	System and Method for Improving Work Load Management In ACR Television Monitoring System		62/193,345	07/14/2015	VIZIO Inscap Technologies, LLC	Pending
United States	Segregation Of Cue Data Into Buckets For Correlating Matching Probabilities		62/193,351	07/14/2015	VIZIO Inscap Technologies, LLC	Pending
United States	Monitoring Individual Viewing of Television Events Using Tracking Pixels and Cookies		14/763,158	07/23/2015	VIZIO Inscap Technologies, LLC	Docketed New Case - Ready for Examination (12-17-15)
United States	Monitoring Individual Viewing of Television Events Using Tracking Pixels and Cookies		14/807,849	07/23/2015	VIZIO Inscap Technologies, LLC	Pending
United States	Portable Speaker		29545650	11/14/2015	VIZIO, Inc.	Pending
United States	Portable Speaker		29545651	11/14/2015	VIZIO, Inc.	Pending
United States	Portable Speaker		29545652	11/14/2015	VIZIO, Inc.	Pending
United States	Portable Speaker		29545653	11/14/2015	VIZIO, Inc.	Pending
United States	Remote Control		29/546,000	11/18/2015	VIZIO, Inc.	Pending
United States	Controlling Change Stand		29/546,001	11/18/2015	VIZIO, Inc.	Pending
United States	Methods for Identifying Video Segments and Displaying Option to View From an Alternative Source		15/011,099	1/29/2016	VIZIO Inscap Technologies, LLC	Pending

Country	Title	Patent Number Grant/Issue Number	Application Number	Application Date Filing or 371(c) Date	Owner	Status
	and/or on an Alternative Device					
United States	Configuration of a device based upon orientation	8,860,832	13/736,705	01/08/2013	VIZIO, Inc.	Issued
United States	Television with detachable speakers and stand	D571,744	29/249,431	10/05/2006	VIZIO, Inc.	Issued
United States	Television	D748,596	29/503,422	09/25/2014	VIZIO, Inc.	Issued
United States	Audio Device	D748,075	29/499,930	08/20/2014	VIZIO, Inc.	Issued
United States	Flat-panel television	D566,066	29/249,430	10/05/2006	VIZIO, Inc.	Issued

**EXHIBIT C**  
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Country of Registration	Title of Work	Registration Number	Registration Date	Owner	Year Work Created	Date of Publication	Status
United States	L32 Quickstart guide	TX 6-433-161	7/31/2006	VIZIO, Inc. (assigned from V, Inc.)	2005	11/30/2005	Registered
United States	P50 Quickstart guide	TX 6-433-160	7/31/2006	VIZIO, Inc. (assigned from V, Inc.)	2005	11/30/2005	Registered
United States	L15 Quickstart guide	TX 6-430-046	8/21/2006	VIZIO, Inc. (assigned from V, Inc.)	2005	11/30/2005	Registered
United States	L32 HDTV quick start guide	TX 6-430-043	8/21/2006	VIZIO, Inc. (assigned from V, Inc.)	2005	11/30/2005	Registered
United States	L37 quick start guide	TX 6-430-044	8/21/2006	VIZIO, Inc. (assigned from V, Inc.)	2005	11/30/2005	Registered
United States	P42 HDTV quick start guide	TX 6-430-045	8/21/2006	VIZIO, Inc. (assigned from V, Inc.)	2005	11/30/2005	Registered
United States	Gallevia 42in carton artwork	VA 1-382-878	10/6/2006	VIZIO, Inc. (assigned from V, Inc.)	2006	7/1/2006	Registered
United States	Gallevia 46in carton artwork	VA 1-382-879	10/6/2006	VIZIO, Inc. (assigned from V, Inc.)	2006	9/1/2006	Registered