

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM578916

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

**CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
XPERI CORPORATION		06/01/2020	Corporation: DELAWARE
APTIV DIGITAL LLC		06/01/2020	Limited Liability Company: DELAWARE
GEMSTAR DEVELOPMENT LLC		06/01/2020	Limited Liability Company: CALIFORNIA
ROVI CORPORATION		06/01/2020	Corporation: DELAWARE
ROVI DATA SOLUTIONS, INC.		06/01/2020	Corporation: DELAWARE
ROVI GUIDES, INC.		06/01/2020	Corporation: DELAWARE
ROVI SOLUTIONS CORPORATION		06/01/2020	Corporation: DELAWARE
ROVI TECHNOLOGIES CORPORATION		06/01/2020	Corporation: DELAWARE
TIVO BRANDS LLC		06/01/2020	Limited Liability Company: DELAWARE
TIVO RESEARCH AND ANALYTICS, INC.		06/01/2020	Corporation: DELAWARE
TIVO SOLUTIONS INC.		06/01/2020	Corporation: DELAWARE
DTS, INC.		06/01/2020	Corporation: DELAWARE
DTS LLC		06/01/2020	Limited Liability Company: DELAWARE
PHORUS, INC.		06/01/2020	Corporation: DELAWARE
TESSERA, INC.		06/01/2020	Corporation: DELAWARE
INVENSAS CORPORATION		06/01/2020	Corporation: DELAWARE
INVENSAS BONDING TECHNOLOGIES, INC.		06/01/2020	Corporation: DELAWARE
MANZANITA SYSTEMS, LLC		06/01/2020	Limited Liability Company: CALIFORNIA
IBIQUITY DIGITAL CORPORATION		06/01/2020	Corporation: DELAWARE

**RECEIVING PARTY DATA**

<b>Name:</b>	BANK OF AMERICA, N.A.
<b>Street Address:</b>	101 NORTH TRYON STREET
<b>City:</b>	Charlotte

TRADEMARK

<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28255
<b>Entity Type:</b>	National Banking Association: UNITED STATES

**PROPERTY NUMBERS Total: 158**

<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>
Registration Number:	3382751	ISUBSCRIBE
Registration Number:	3038607	PASSPORT
Registration Number:	2721527	WEBNOSTICS
Registration Number:	1566927	
Registration Number:	1864599	CIRCLE SURROUND
Registration Number:	2042227	SRS
Registration Number:	2044183	SRS
Registration Number:	3043034	WOW
Registration Number:	3894383	TRUVOLUME
Registration Number:	3782713	DTS
Registration Number:	3645101	
Registration Number:	1794209	DTS
Registration Number:	1936747	DTS DIGITAL SOUND
Registration Number:	2471786	DTS DIGITAL SURROUND
Registration Number:	2240960	DTS
Registration Number:	2407883	DTS DIGITAL OUT
Registration Number:	3123890	ES
Registration Number:	2166630	DTS DIGITAL SURROUND
Registration Number:	2164805	DTS
Registration Number:	3228983	DTS 2.0+DIGITAL OUT
Registration Number:	2897940	NEO:6
Registration Number:	3454307	DTS HD
Registration Number:	3765421	DTS-HD
Registration Number:	3311695	DTS
Registration Number:	4032360	
Registration Number:	4443565	DTS
Registration Number:	5428748	
Registration Number:	5069570	DTS X
Registration Number:	4792103	DTS HEADPHONE X
Registration Number:	4792104	HEADPHONE:X
Registration Number:	4938526	DTS:X
Registration Number:	5111384	DTS X
Registration Number:	3395255	I-GUIDE

Property Type	Number	Word Mark
Registration Number:	2727566	IBIQUITY DIGITAL
Registration Number:	2669755	IBIQUITY DIGITAL
Registration Number:	2841147	HD RADIO PURE DIGITAL. CLEAR RADIO.
Registration Number:	2872292	HD RADIO
Registration Number:	2867407	HD
Registration Number:	2867408	HD RADIO PURE DIGITAL. CLEAR RADIO.
Registration Number:	2865524	HD RADIO
Registration Number:	2832781	HD RADIO READY
Registration Number:	2860944	HD
Registration Number:	2726894	IBIQUITY
Registration Number:	3911403	
Registration Number:	3835526	
Registration Number:	4392804	ADVERTISER EXPERIENCE
Registration Number:	4287814	ARTIST EXPERIENCE
Registration Number:	4438401	HD DIGITAL TRAFFIC
Registration Number:	2813405	ZIPTRONIX
Registration Number:	3324312	DBI
Registration Number:	4114294	ZIBOND
Registration Number:	4786034	INVENSAS
Registration Number:	4344106	BVA
Registration Number:	4543363	XFD
Registration Number:	4543365	DFD
Registration Number:	4543368	QFD
Registration Number:	4543369	TFD
Registration Number:	3959200	MANZANITA CROSSCHECK
Registration Number:	4786127	PLAY-FI
Registration Number:	4527069	PLAY-FI
Registration Number:	4694434	S
Registration Number:	4615897	STASH
Registration Number:	4750490	STASH
Registration Number:	1758885	MUZE
Registration Number:	3208024	MUZE
Registration Number:	2614527	MUZEGAMES
Registration Number:	3875703	THE ENCYCLOPEDIA OF POPULAR MUSIC
Registration Number:	3796417	PASSTIME
Registration Number:	4969098	FAN TV
Registration Number:	4969099	FAN TV
Registration Number:	4102731	ROVI

Property Type	Number	Word Mark
Registration Number:	2379770	DVDIT
Registration Number:	1598413	RETROSPECT
Registration Number:	4419057	TOTALCODE
Registration Number:	4824831	TOTALTV
Registration Number:	2018028	TESSERA
Registration Number:	2717096	TESSERA
Registration Number:	5192437	SMART OBJECTS EVERYWHERE
Registration Number:	3401771	
Registration Number:	2996654	
Registration Number:	3809540	DIGITALSMITHS
Registration Number:	3841500	
Registration Number:	2557972	
Registration Number:	2526316	
Registration Number:	5392350	QUICKMODE
Registration Number:	4769852	ROAMIO
Registration Number:	5571679	ROAMIO OTA VOX
Registration Number:	4856353	SEAMLESS INSIGHT
Registration Number:	3414013	SEASON PASS
Registration Number:	3401774	
Registration Number:	5423935	SKIPMODE
Registration Number:	5466557	SMARTBAR
Registration Number:	3398481	
Registration Number:	3398479	
Registration Number:	3398480	
Registration Number:	2920968	
Registration Number:	5375658	
Registration Number:	5375657	
Registration Number:	2920969	
Registration Number:	4505168	
Registration Number:	3401773	
Registration Number:	2642755	TIVO
Registration Number:	2423757	TIVO
Registration Number:	3902808	TIVO
Registration Number:	3821425	TIVO
Registration Number:	3983234	TIVO
Registration Number:	4713517	TIVO
Registration Number:	2566471	TIVO
Registration Number:	5978794	TIVO

Property Type	Number	Word Mark
Registration Number:	5978795	TIVO
Registration Number:	5978796	TIVO
Registration Number:	4979817	TIVO BOLT
Registration Number:	4979818	TIVO BOLT
Registration Number:	4979819	TIVO BOLT
Registration Number:	5930361	TIVO BOLT OTA
Registration Number:	5499092	TIVO BOLT VOX
Registration Number:	5499093	TIVO BOLT VOX
Registration Number:	5499094	TIVO BOLT VOX
Registration Number:	2436483	TIVO CENTRAL
Registration Number:	4664194	0101010000110100101101011001101111
Registration Number:	4498968	0101010000110100100101011001101111
Registration Number:	4685145	0101010000110100100101011001101111
Registration Number:	5499074	TIVO MINI VOX
Registration Number:	5499075	TIVO MINI VOX
Registration Number:	5675897	TIVO MINI VOX
Registration Number:	4820459	TIVO ROAMIO
Registration Number:	5962186	
Registration Number:	5962185	
Registration Number:	5962184	
Registration Number:	3835635	
Registration Number:	3803755	
Registration Number:	3729286	
Registration Number:	3729287	
Registration Number:	3401772	
Registration Number:	5469804	TIVO VOX REMOTE
Registration Number:	5166653	UNIFIED DATA SERVICE
Registration Number:	2962274	WISHLIST
Registration Number:	4786352	TRA
Registration Number:	4396995	A
Registration Number:	5392877	XPERI
Registration Number:	5392878	XPERI
Registration Number:	5444777	XPERI
Registration Number:	5444778	XPERI
Serial Number:	88237100	AEREO
Serial Number:	88237110	AEREO
Serial Number:	88236050	NEW WAY TO TV
Serial Number:	88236082	NEW WAY TO TV

Property Type	Number	Word Mark
Serial Number:	88236084	NEW WAY TO TV
Serial Number:	88366011	POWERED BY TIVO
Serial Number:	88366021	POWERED BY TIVO
Serial Number:	88366025	POWERED BY TIVO
Serial Number:	88298160	TIVO BRIDGE PLUS
Serial Number:	88508670	TIVO EDGE
Serial Number:	88508674	TIVO EDGE
Serial Number:	88508678	TIVO EDGE
Serial Number:	88620719	TIVO LUX REMOTE
Serial Number:	88746276	DTS
Serial Number:	88746594	DTS

#### CORRESPONDENCE DATA

**Fax Number:**

*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

<b>ATTORNEY DOCKET NUMBER:</b>	1227678 TM
<b>NAME OF SUBMITTER:</b>	ALANA GRAMER
<b>SIGNATURE:</b>	/ALANA GRAMER/
<b>DATE SIGNED:</b>	06/01/2020

**Total Attachments: 12**

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**Trademark Security Agreement**

This **Trademark Security Agreement** dated as of June 1, 2020 made by XPERI CORPORATION, APTIV DIGITAL LLC, GEMSTAR DEVELOPMENT LLC, ROVI CORPORATION, ROVI DATA SOLUTIONS, INC., ROVI GUIDES, INC., ROVI SOLUTIONS CORPORATION, ROVI TECHNOLOGIES CORPORATION, TIVO BRANDS LLC, TIVO RESEARCH AND ANALYTICS, INC., TIVO SOLUTIONS INC., DTS, INC., DTS LLC, PHORUS, INC., TESSERA, INC., INVENSAS CORPORATION, INVENSAS BONDING TECHNOLOGIES, INC., MANZANITA SYSTEMS, LLC and IBIQUITY DIGITAL CORPORATION as pledgors and debtors (in such capacities and together with any successors in such capacities, individually, a “Pledgor”, and, collectively, the “Pledgors”), in favor of BANK OF AMERICA, N.A., in its capacity as Collateral Agent pursuant to the Credit Agreement (as defined in the Security Agreement), as pledgee and secured party (in such capacities and together with any successors in such capacities, the “Collateral Agent”).

WITNESSETH:

WHEREAS, the Pledgors are party to a Security Agreement of even date herewith (as amended, restated, amended and restated, supplemented or otherwise modified from time to time in accordance with the provisions thereof, the “Security Agreement”) made in favor of the Collateral Agent pursuant to which the Pledgors are required to execute and deliver this Trademark Security Agreement;

NOW, THEREFORE, in consideration of the foregoing premises and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Pledgors and the Collateral Agent hereby agree as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Trademark Collateral. As collateral security for the payment and performance in full of all Secured Obligations, each Pledgor hereby pledges and grants to the Collateral Agent for the benefit of the Secured Parties, a lien on and security interest in all of the right, title and interest of such Pledgor in, to and under the following property, wherever located, and whether now existing or hereafter arising or acquired from time to time (collectively, the “Trademark Collateral”):

(a) all trademarks (including service marks), slogans, logos, certification marks, trade dress, uniform resource locators (URL’s), domain names, corporate names, brand names, trade names and other identifiers of source or goodwill of such Pledgor now or hereafter, owned, filed or acquired by, or assigned to, such Pledgor, including any of the foregoing listed on Schedule I attached hereto, whether registered or unregistered, and all registrations and applications for the foregoing (whether statutory or common law and whether applied for or registered in the United States or any other country or any political subdivision thereof), together with any and all (i) rights and privileges arising under applicable law with respect to the foregoing and all rights corresponding thereto throughout the world, (ii) extensions and renewals thereof and amendments thereto, (iii) goodwill associated with any of the foregoing and (iv) rights to sue for past, present and future infringements, dilutions or violations thereof; and

(b) all Proceeds of any and all of the foregoing.

Notwithstanding anything to the contrary contained in clauses (a) and (b) above or otherwise set forth in this Trademark Security Agreement, the security interest created by this Trademark Security Agreement shall not extend to, and the term "Trademark Collateral" shall not include, any Excluded Property (including, for the avoidance of doubt, any trademark application filed on the basis of an intent-to-use such trademark prior to the filing with and acceptance by the United States Patent and Trademark Office of a "Statement of Use" or "Amendment to Allege Use" with respect thereto pursuant to Section 1(c) or Section 1(d) of the Lanham Act (15 U.S.C. §1051, et seq.), to the extent, if any, that, and solely during the period, if any, in which the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark application under applicable federal law).

SECTION 3. Security Agreement. The lien and security interest granted pursuant to this Trademark Security Agreement is granted in conjunction with the lien and security interest granted to the Collateral Agent pursuant to the Security Agreement and the Pledgors hereby acknowledge and affirm that the rights and remedies of the Collateral Agent with respect to the security interest in the Trademark Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Trademark Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Termination. Upon the payment in full of the Secured Obligations and termination of the Security Agreement and at the other times required by Section 9.15 of the Credit Agreement, (a) this Trademark Security Agreement shall terminate and (b) the Collateral Agent shall execute, acknowledge, and deliver to the Pledgors an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the Trademark Collateral under this Trademark Security Agreement, all at the Pledgors' sole cost and expense.

SECTION 5. Counterparts. This Trademark Security Agreement and any amendments, waivers, consents or supplements hereto may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed to be an original, but all such counterparts together shall constitute one and the same instrument. Delivery of any executed counterpart of a signature page of this Trademark Security Agreement by facsimile or other electronic transmission shall be effective as delivery of a manually executed counterpart of this Trademark Security Agreement.

SECTION 6. Governing Law; Consent to Jurisdiction and Service of Process; Waiver of Jury Trial. Sections 9.09 and 9.10 of the Credit Agreement are incorporated herein, mutatis mutandis, as if a part hereof.

[Signature Pages Follow]

IN WITNESS WHEREOF, each Pledgor and the Collateral Agent have caused this Trademark Security Agreement to be duly executed and delivered by their duly authorized officers as of the date first above written.

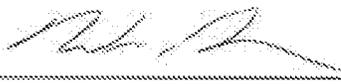
ROVI CORPORATION  
ROVI DATA SOLUTIONS, INC.  
ROVI GUIDES, INC.  
ROVI SOLUTIONS CORPORATION  
ROVI TECHNOLOGIES CORPORATION  
TIVO RESEARCH AND ANALYTICS, INC.  
TIVO BRANDS LLC  
TIVO SOLUTIONS INC.,  
as Pledgors

By: 

Name: Wesley Gutierrez  
Title: Treasurer

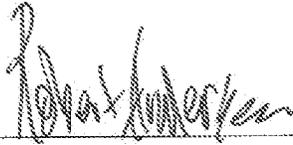
APTIV DIGITAL LLC  
GEMSTAR DEVELOPMENT LLC,  
as Pledgors

By: ROVI GUIDES, INC., as sole member

By: 

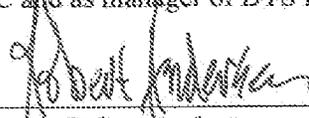
Name: Wesley Gutierrez  
Title: Treasurer

XPERI CORPORATION  
DTS, INC.  
PHORUS, INC.  
TESSERA, INC.  
INVENSAS BONDING TECHNOLOGIES, INC.,  
as Pledgors

By:   
Name: Robert Andersen  
Title: Chief Financial Officer

MANZANITA SYSTEMS, LLC  
DTS LLC,  
as Pledgors

By: DTS INC., as sole member of Manzanita Systems,  
LLC and as manager of DTS LLC

By:   
Name: Robert Andersen  
Title: Chief Financial Officer

INVENSAS CORPORATION  
IBIQUITY DIGITAL CORPORATION,  
as Pledgors

By: \_\_\_\_\_  
Name: Paul E. Davis  
Title: Senior Vice President, General Counsel  
and Corporate Secretary

XPERI CORPORATION  
DTS, INC.  
PHORUS, INC.  
TESSERA, INC.  
INVENSAS BONDING TECHNOLOGIES, INC.,  
as Pledgors

By: \_\_\_\_\_  
Name: Robert Andersen  
Title: Chief Financial Officer

MANZANITA SYSTEMS, LLC  
DTS LLC,  
as Pledgors

By: DTS INC., as sole member of Manzanita Systems,  
LLC and as manager of DTS LLC

By: \_\_\_\_\_  
Name: Robert Andersen  
Title: Chief Financial Officer

INVENSAS CORPORATION  
IBIQUITY DIGITAL CORPORATION,  
as Pledgors

By: \_\_\_\_\_  
Name: Paul E. Davis  
Title: Senior Vice President, General Counsel  
and Corporate Secretary

[Signature Page to Trademark Security Agreement]

**TRADEMARK**  
**REEL: 006949 FRAME: 0973**

Accepted and Agreed:

BANK OF AMERICA, N.A.,  
as Collateral Agent

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

Name: Linda Mackey

Title: Vice President

**SCHEDULE I**  
**to**  
**TRADEMARK SECURITY AGREEMENT**  
**UNITED STATES TRADEMARK REGISTRATIONS AND UNITED STATES TRADEMARK**  
**APPLICATIONS**

**United States Trademark Registrations:**

<b>OWNER</b>	<b>REGISTRATION NUMBER</b>	<b>TRADEMARK</b>
Aptiv Digital LLC (formerly Aptiv Digital, Inc.)	3382751	ISUBSCRIBE
Aptiv Digital LLC (formerly Aptiv Digital, Inc.)	3038607	PASSPORT
Aptiv Digital LLC (formerly Aptiv Digital, Inc.)	2721527	WEBNOSTICS
DTS LLC	1566927	MISCELLANEOUS DESIGN
DTS LLC	1864599	CIRCLE SURROUND
DTS LLC	2042227	SRS AND DESIGN
DTS LLC	2044183	SRS
DTS LLC	3043034	WOW
DTS LLC	3894383	TRUVOLUME
DTS, Inc.	3782713	COMPANY LOGO DESIGN & DTS
DTS, Inc.	3645101	COMPANY LOGO DESIGN
DTS, Inc.	1794209	DTS
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DTS, Inc.	2471786	DTS DIGITAL SURROUND
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DTS, Inc.	2164805	DTS
DTS, Inc.	3228983	DTS 2.0 + DIGITAL OUT
DTS, Inc.	2897940	NEO:6
DTS, Inc.	3454307	DTS HD

OWNER	REGISTRATION NUMBER	TRADEMARK
DTS, Inc.	3765421	COMPANY LOGO DESIGN & DTS-HD
DTS, Inc.	3311695	DTS (DESIGN LOGO)
DTS, Inc.	4032360	COMPANY LOGO DESIGN
DTS, Inc.	4443565	COMPANY LOGO DESIGN & DTS
DTS, Inc.	5,428,748	DTS SOUND MARK
DTS, Inc.	5069570	DTS X
DTS, Inc.	4792103	DTS HEADPHONE X
DTS, Inc.	4792104	HEADPHONE:X
DTS, Inc.	4938526	DTS:X
DTS, Inc.	5111384	DTS X
Gemstar Development LLC	3395255	I-GUIDE
iBiquity Digital Corporation	2727566	IBIQUITY DIGITAL
iBiquity Digital Corporation	2669755	IBIQUITY DIGITAL & DESIGN
iBiquity Digital Corporation	2841147	HD RADIO PURE DIGITAL CLEAR RADIO & DESIGN
iBiquity Digital Corporation	2872292	HD RADIO & DESIGN
iBiquity Digital Corporation	2867407	HD & DESIGN
iBiquity Digital Corporation	2867408	HD RADIO PURE DIGITAL CLEAR RADIO & DESIGN
iBiquity Digital Corporation	2865524	HD RADIO & DESIGN
iBiquity Digital Corporation	2832781	HD RADIO READY & DESIGN
iBiquity Digital Corporation	2860944	HD & DESIGN
iBiquity Digital Corporation	2726894	IBIQUITY
iBiquity Digital Corporation	3911403	ARC LOGO
iBiquity Digital Corporation	3835526	ARC LOGO [COLOR]
iBiquity Digital Corporation	4392804	ADVERTISER EXPERIENCE
iBiquity Digital Corporation	4287814	ARTIST EXPERIENCE
iBiquity Digital Corporation	4438401	HD DIGITAL TRAFFIC & DESIGN
Invensas Bonding Technologies, Inc.	2813405	ZIPTRONIX
Invensas Bonding Technologies, Inc.	3324312	DBI

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Invensas Corporation	4344106	BVA
Invensas Corporation	4543363	xFD
Invensas Corporation	4543365	DFD
Invensas Corporation	4543368	QFD
Invensas Corporation	4543369	TFD
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PHORUS, INC.	4786127	PLAY-FI
PHORUS, INC.	4527069	PLAY-FI
Rovi Corporation	4694434	S Design
Rovi Corporation	4615897	STASH
Rovi Corporation	4750490	STASH & Design
Rovi Data Solutions, Inc.	1758885	MUZE
Rovi Data Solutions, Inc.	3208024	MUZE
Rovi Data Solutions, Inc.	2614527	MUZEGAMES
Rovi Data Solutions, Inc.	3875703	THE ENCYCLOPEDIA OF POPULAR MUSIC
Rovi Guides, Inc.	3796417	PASSTIME
Rovi Guides, Inc. (as successor in interest to Fanhattan, Inc.)	4969098	FAN TV
Rovi Guides, Inc. (as successor in interest to Fanhattan, Inc.)	4969099	FAN TV & Design
Rovi Solutions Corporation	4102731	ROVI
Rovi Technologies Corporation	2379770	DVDIT
Rovi Technologies Corporation	1598413	RETROSPECT
Rovi Technologies Corporation	4419057	TOTALCODE
Rovi Technologies Corporation	4824831	TOTALTV
Tessera, Inc.	2018028	TESSERA
Tessera, Inc.	2717096	TESSERA
Tessera, Inc.	5192437	SMART OBJECTS EVERYWHERE
TiVo Brands LLC	3401771	Alert Sound Mark
TiVo Brands LLC	2996654	Ascending Sound Mark
TiVo Brands LLC	3809540	DIGITALSMITHS
TiVo Brands LLC	3841500	Error Sound Mark
TiVo Brands LLC	2557972	Instant Replay Design

OWNER	REGISTRATION NUMBER	TRADEMARK
TiVo Brands LLC	2526316	Jump Logo Design
TiVo Brands LLC	5392350	QUICKMODE
TiVo Brands LLC	4769852	ROAMIO
TiVo Brands LLC	5571679	ROAMIO OTA VOX
TiVo Brands LLC	4856353	SEAMLESS INSIGHT
TiVo Brands LLC	3414013	SEASON PASS
TiVo Brands LLC	3401774	Select Sound Mark
TiVo Brands LLC	5423935	SKIPMODE
TiVo Brands LLC	5466557	SMARTBAR
TiVo Brands LLC	3398481	Speedup 1 Sound Mark
TiVo Brands LLC	3398479	Speedup 2 Sound Mark
TiVo Brands LLC	3398480	Speedup 3 Sound Mark
TiVo Brands LLC	2920968	Thumbs Down Design
TiVo Brands LLC	5375658	Thumbs Down Design (red)
TiVo Brands LLC	5375657	Thumbs Up Design (green)
TiVo Brands LLC	2920969	Thumbs Up Design (left palm out)
TiVo Brands LLC	4505168	Thumbs Up Design (right palm out)(Refile)
TiVo Brands LLC	3401773	Thumbs Up Sound Mark
TiVo Brands LLC	2642755	TIVO
TiVo Brands LLC	2423757	TIVO
TiVo Brands LLC	3902808	TIVO
TiVo Brands LLC	3821425	TIVO
TiVo Brands LLC	3983234	TIVO
TiVo Brands LLC	4713517	TIVO
TiVo Brands LLC	2566471	TIVO & Walking TV Design (with shadow)
TiVo Brands LLC	5978794	TIVO (Stylized) (new)
TiVo Brands LLC	5978795	TIVO (Stylized) (new)
TiVo Brands LLC	5978796	TIVO (Stylized) (new)
TiVo Brands LLC	4979817	TIVO BOLT
TiVo Brands LLC	4979818	TIVO BOLT
TiVo Brands LLC	4979819	TIVO BOLT
TiVo Brands LLC	5930361	TIVO BOLT OTA
TiVo Brands LLC	5499092	TIVO BOLT VOX

OWNER	REGISTRATION NUMBER	TRADEMARK
TiVo Brands LLC	5499093	TIVO BOLT VOX
TiVo Brands LLC	5499094	TIVO BOLT VOX
TiVo Brands LLC	2436483	TIVO CENTRAL
TiVo Brands LLC	4664194	TiVo Developer Logo
TiVo Brands LLC	4498968	TiVo Developer Logo
TiVo Brands LLC	4685145	TiVo Developer Logo
TiVo Brands LLC	5499074	TIVO MINI VOX
TiVo Brands LLC	5499075	TIVO MINI VOX
TiVo Brands LLC	5675897	TIVO MINI VOX
TiVo Brands LLC	4820459	TIVO ROAMIO
TiVo Brands LLC	5962186	TiVo Silhouette Logo Design (new)
TiVo Brands LLC	5962185	TiVo Silhouette Logo Design (new)
TiVo Brands LLC	5962184	TiVo Silhouette Logo Design (new)
TiVo Brands LLC	3835635	TiVo Silhouette Logo Design (old)
TiVo Brands LLC	3803755	TiVo Silhouette Logo Design (old)
TiVo Brands LLC	3729286	TiVo Silhouette Logo Design (old)
TiVo Brands LLC	3729287	TiVo Silhouette Logo Design (old)
TiVo Brands LLC	3401772	TiVo Sound Mark
TiVo Brands LLC	5469804	TIVO VOX REMOTE
TiVo Brands LLC	5166653	UNIFIED DATA SERVICE
TiVo Brands LLC	2962274	WISHLIST
TiVo Research and Analytics, Inc. (formerly TRA Global, Inc.)	4786352	TRA (Stylized) (B&W)
TiVo Solutions Inc. (formerly TiVo, Inc.)	4396995	Folded A Design (color)
Xperi Corporation	5392877	XPERI
Xperi Corporation	5392878	XPERI
Xperi Corporation	5444777	XPERI Design (B/W)
Xperi Corporation	5444778	XPERI Design (B/W)

**United States Trademark Applications:**

<b>OWNER</b>	<b>APPLICATION NUMBER</b>	<b>TRADEMARK</b>
TiVo Brands LLC	88/237,100	AEREO (re-file)
TiVo Brands LLC	88/237,110	AEREO (re-file)
TiVo Brands LLC	88/236,050	NEW WAY TO TV (refile)
TiVo Brands LLC	88/236,082	NEW WAY TO TV (refile)
TiVo Brands LLC	88/236,084	NEW WAY TO TV (refile)
TiVo Brands LLC	88/366,011	POWERED BY TIVO & Walking TV Design
TiVo Brands LLC	88/366,021	POWERED BY TIVO & Walking TV Design
TiVo Brands LLC	88/366,025	POWERED BY TIVO & Walking TV Design
TiVo Brands LLC	88/298,160	TIVO BRIDGE PLUS
TiVo Brands LLC	88/508,670	TIVO EDGE
TiVo Brands LLC	88/508,674	TIVO EDGE
TiVo Brands LLC	88/508,678	TIVO EDGE
TiVo Brands LLC	88/620,719	TIVO LUX REMOTE
Xperi Corporation	88/746,276	DTS
Xperi Corporation	88/746,594	DTS