PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3084232

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	2

CONVEYING PARTY DATA

Name	Execution Date
GUIDEWORKS, LLC	02/26/2010

RECEIVING PARTY DATA

Name:	ROVI GUIDES, INC.
Street Address:	2830 DE LA CRUZ BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95050

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14148283

CORRESPONDENCE DATA

Fax Number: (617)235-9492

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: (212) 596-9171

Email: lorraine.quiles@ropesgray.com

Correspondent Name: ROPES & GRAY LLP

Address Line 1: 1211 AVENUE OF THE AMERICAS
Address Line 4: NEW YORK, NEW YORK 10036-8704

ATTORNEY DOCKET NUMBER:	001449-0065-103
NAME OF SUBMITTER:	LORRAINE QUILES
SIGNATURE:	/Lorraine Quiles/
DATE SIGNED:	10/28/2014

Total Attachments: 12

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GUIDEWORKS PATENTS ASSIGNMENT AGREEMENT

THIS GUIDEWORKS PATENTS ASSIGNMENT AGREEMENT (this "Assignment") is dated February 26, 2010, by and between Guideworks, LLC, (f/k/a IPG/JV, LLC) a Delaware limited liability company ("Seller") and Rovi Guides, Inc., a Delaware Corporation ("Buyer"). As used herein, each of Seller and Buyer may sometimes be individually referred to as a "Party" or collectively referred to as the "Parties." Unless otherwise defined herein all capitalized terms shall have the meaning ascribed thereto in the Master Agreement (as defined below).

WHEREAS, pursuant to a Master Agreement executed and delivered contemporaneously with the execution of this Assignment by, among others, Buyer and Seller (the "Master Agreement"), the Parties have agreed to enter into this Assignment whereby Seller would sell, transfer and convey its entire right, title and interest in, to and under all patents and patent applications owned by Seller as of the Closing Date (the "Guideworks Patents"), including, without limitation, the patents and patent applications set forth on Schedule A, to Buyer, subject to Seller receiving a license from Buyer to such Guideworks Patents pursuant to the terms and conditions of the Transaction Documents (including without limitation the Amended and Restated License and Distribution Agreement).

NOW, THEREFORE, for good and valuable consideration (including the mutual promises and other consideration set forth herein and the other Transaction Documents), the receipt and sufficiency of which is hereby acknowledged by both Parties, the Parties agree as follows:

Section 1.01. Transfer Of Guideworks Patents. Subject to the terms and conditions of the Transaction Documents (including without limitation the license to Buyer set forth in the Amended and Restated License and Distribution Agreement), Seller hereby sells, assigns and transfers unto Buyer its entire right, title and interest in and to the Guideworks Patents including all rights to sue for any past, present or future infringement of any such Guideworks Patent. Seller hereby agrees to sign all necessary papers and do all lawful acts reasonably necessary (in each case at Buyer's expense) to effect the sale, assignment and transfer of Seller's entire right, title and interest in the Guideworks Patents.

Section 1.02. No Warranties or Indemnities. The Parties agree that the Guideworks Patents are sold, assigned and transferred unto Buyer on an "as-is" basis and Seller (a) makes no representations or warranties (express or implied), (b) grants no indemnities (express or implied) and (c) shall have no other liability or financial obligation to Buyer or any other Person, in the case of (a), (b) or (c), with respect to the Guideworks Patents or otherwise in connection with this Assignment.

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Section 1.03. Governmental Authorities. Seller hereby authorizes the Governmental Authorities of all countries in which the Guideworks Patents are now or will in the future be issued to issue to Buyer all of Seller's entire right, title and interest in and to the Guideworks Patents for the sole use and enjoyment of Buyer, its successors and assigns (it being understood that, notwithstanding the foregoing, nothing herein shall be construed as limiting in any way the rights granted to Seller in respect of such Guideworks Patents pursuant to the Transaction Documents (including without limitation the Amended and Restated License and Distribution Agreement)).

Section 1.04. Governing Law. This Assignment shall be governed by, and construed under the Laws of the State of New York and without regard to conflicts of Laws principles.

Section 1.05. Venue. Any dispute arising under or out of this Assignment shall be venued exclusively in the state or federal courts of the State of New York.

Section 1.06. Counterparts; Effectiveness. This Assignment may be signed in any number of counterparts, each of which shall be deemed an original. This Assignment shall become effective only after and subject to each Party having received a counterpart hereof signed by the other Party.

Section 1.07. *Successors*. This Assignment shall inure to the benefit of and is binding upon the respective successors and assigns of Seller and Buyer.

[signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Assignment to be executed and delivered as of the date first above written.

	Name: Title:	ARTHUR R. BLOCK
By:	hu	
GUI	DEWORKS,	LLC
By:	Name: Title:	
KO	VI GUIDES,	INC.

IN WITNESS WHEREOF, the Parties have caused this Assignment to be executed and delivered as of the date first above written.

ROVI GUIDES, INC.

By:

Name

itle: Authori

GUIDEWORKS, LLC

By:

Name:

Title:

Signature Page To The Patent Assignment Agreement (NY) 05726/292/AGTS09/rovi.pstent.sssign.agt.doc

SCHEDULE A

GUIDEWORKS PATENTS

[See Attached]

Schedule A

(NY) 05726/292/AGTS09/rovi.patent.assign.agt.doc

GUIDEWORKS PATENTS

AL NUMBER	TITLE	STATUS	PATENT NUMBER	ISSUE DATE	ALLOWED DATE	MATTER FILING DATE	INVENTORS
11240552	SYSTEMS AND METHODS FOR	Closed					Michael D. Ellis
Į.	MANAGING LOCAL STORAGE OF ON-					·	Michael L. Craner
	DEMAND CONTENT						Robert A. Knee
12506088	SYSTEMS AND METHODS FOR	Pending				20-Jul-08	Michael D. Ellis
l l	MANAGING LOCAL STORAGE OF ON-						Michael L. Craner
	DEMAND CONTENT						Robert A. Krise
11097566	SYSTEMS AND METHOD FOR QUALITY	Pending				1-Apr-05	Michael D. Ellis
	MARKING OF A RECORDING	1.					Robert A. Knee
11237839	SYSTEMS AND METHODS FOR	Deuesi	7570870	4-Aug-09	3-Apr-09	27-Sep-05	Michael D. Ellis
ľ	RECORDING PROGRAMS OF LESSER						
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	INTEREST WHEN CONVENIENT						
	SYSTEMS AND METHODS FOR	Pending				25-Jun-09	Michael D. Ellis
1	RECORDING PROGRAMS OF LESSER				`		
	INTEREST WHEN CONVENIENT						
	SYSTEMS AND METHODS FOR TESTING	Closed				11-Aug-05	Joshua A. Berry
***************************************	ELECTRONIC DEVICES						
1	SYSTEM AND METHOD FOR PROVIDING	Pending				8-Apr-05	Michael D. Ellis
i	A LIST OF VIDEO-ON-DEMAND			,			
	PROGRAMS						Robert A. Knee
_ 5000000000000000000000000000000000000	SYSTEMS AND METHODS FOR	Closed					Michael D. Ellis
- 33333333333333333334	PROVIDING CHANNEL GROUPS IN AN						
	PG		70.40000	40.1.40	0.4.4	20.0	
i	SYSTEMS AND METHODS FOR	Issued	7646962	12-Jan-10	24-Aug-09	30-Sep-05	Jr. Reed S. Spiegel
1	RECORDING AND PLAYING BACK				·		
	PROGRAMS HAVING DESIRABLE						14'.1 (D FIL'
	RECORDING ATTRIBUTES SYSTEMS AND METHODS FOR	Pending				***	Michael D. Ellis Michael D. Ellis
- 000000000000000000000000000000000000	RECORDING AND PLAYING BACK	restusity				23-N04-08	MICHAELU, EUS
	PROGRAMS HAVING DESIRABLE						
- 2000000000000000000000000000000000000	RECORDING ATTRIBUTES						Reed S. Spiegel
	SYSTEMS AND METHODS FOR	Closed				20-Can 06	Michael D. Ellis
1	RECORDING PROGRAMS	0.00				00-00000	Robert A. Knee
***************************************	SYSTEMS AND METHODS FOR	Pending				£2000405	Michael L. Craner
- 000000000000000000 <b>8</b> 0	RECORDING PROGRAMS USING A						mateo e orona
- 2000000000000000000000000000000000000	NETWORK RECORDING DEVICE AS						
- XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	SUPPLEMENTAL STORAGE						
	SYSTEMS AND METHODS FOR	Pendina				14-Oct-05	Michael L. Craner
l,	RECORDING MULTIPLE PROGRAMS	ŭ					The state of the s
:	SIMULTANEOUSLY WITH A SINGLE						
	TUNER						
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Pending				19-Oct-09	Michael L. Craner
- 3000000000000000000000000000000000000	RECORDING MULTIPLE PROGRAMS						
	SIMULTANEOUSLY WITH A SINGLE						
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	SYSTEMS AND METHODS FOR	Pending				4-Nov-05	Michael L. Craner
l _F	RECORDING PROGRAMS WITH A	_					
ŀ	NETWORK RECORDING DEVICE UPON						
i	AILURE OF A USER'S EQUIPMENT						
***************************************	SYSTEMS AND METHODS FOR	Pending				29-Dec-05	Jon P. Radloff
	PROVIDING A PLAY LIST TOOLBAR		***************************************	200000000000000000000000000000000000000	**************************************		

11395380	SYSTEMS AND METHODS FOR VIDEO-	Pending			30-Mar-06	Gerard Kunkel
	RICH NAVIGATION				-	Jon P. Radloff
			-			Michael D. Ellis
		<u> </u>	l	<u>L</u> .		Robert A. Knee
60567200	SYSTEMS AND METHODS FOR VIDEO-	Closed			30-Mar-05	Gerand Kunkel
	RICH NAVIGATION					Jon P. Radioff
						Michael D. Ellis
						Robert A. Knee
11324147	SYSTEMS AND METHODS FOR	Pending			29-Dec-05	Michael D. Ellis
	PROVIDING MEDIA GUIDANCE BY					
	DETERMINING THE SIMILARITY					
	BETWEEN MEDIA					Robert A. Knee
11595240	SYSTEMS AND METHODS FOR USING	Pending			10_Nes206	Jon P Radioff
	PLAYLISTS	•				Joshua A. Berry
	CALLEGIA				l	Michael D. Ellis
						Michael L. Craner
						Robert A. Kriee
11505225	SYSTEMS AND METHODS FOR USING	Pending			40 No. 05	Michael L. Craner
11000220	PLAYLISTS	ir bilding			10-100-00	Michael L. Craner
00000070	INTERACTIVE TELEVISION APPLICATION		 			
90030210		C)OSeQ			Z-Mar-Ut	Jon P. Radjoff
	FEATURES	•				Michael D. Ellis
4404604						Robert A. Knee
11316248	PROGRAM GUIDE WITH USER	Closed			22-Dec-05	Michael D. Ellis
	RECOMMENDATION LISTS					
12565352	PROGRAM GUIDE WITH USER	Pending			23-Sep-09	Michael D. Ellis
	RECOMMENDATION LISTS					
11323984	SYSTEMS AND METHODS FOR	Pending			29-Dec-05	Michael L. Craner
:	RESOLVING CONFLICTS AND		ļ			9
	MANAGING SYSTEM RESOURCES IN					
	MULTIMEDIA DELIVERY SYSTEMS		 			Thomas Day
	SYSTEMS AND METHODS FOR					
11324201	O O C CANO AND ME COLOUR CON	Pending			29-Dec-05	Thomas Day
11324201	MANAGING A STATUS CHANGE OF A	Pending			29-Dec-06	Thomas Day
11324201		Pending			29-Dec-05	Thomas Day
11324201	MANAGING A STATUS CHANGE OF A	Pending			29-Dec-05	Thomas Day
	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA	Pending Closed				Thomas Day  Michael L. Craner
	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS					
11274851	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS				14-Nov-05	Michael L. Craner
11274851	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS	Closed			14-Nov-05	Michael L. Craner Tia D. Peterson
11274851	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS PARENTAL MEDIA PALETTES	Closed			14-Nov-05 14-Nov-05	Michael L. Craner Tia D. Peterson Michael L. Craner
11274851 11273921	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS PARENTAL MEDIA PALETTES	Closed Closed			14-Nov-05 14-Nov-05	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson
11274851 11273921 12608350	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS PARENTAL MEDIA PALETTES	Closed Closed Pending			14-Nov-05 14-Nov-05 29-Oct-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner Tia D. Peterson
11274851 11273921 12608360	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER	Closed Closed Pending			14-Nov-05 14-Nov-05 29-Oct-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner
11274851 11273921 12608360 11273954	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS: PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES	Closed Closed Pending Pending			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D: Peterson Michael Craner Tia D. Peterson Michael L: Craner
11274851 11273921 12608360 11273954	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER	Closed Closed Pending Pending			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner Tia D. Peterson
11274851 11273921 12608360 11273964	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS	Closed Closed Pending Pending			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D: Peterson Michael Craner Tia D. Peterson Michael L: Craner
11274851 11273921 12608360 11273964 12638029	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL	Closed Closed Pending Pending Pending			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tis D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner Michael L. Craner
11274851 11273921 12608360 11273964 12638029	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL SYSTEMS AND METHODS FOR	Closed Clased Pending Pending Pending Closed			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tis D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner Michael L. Craner
11274851 11273921 12608360 11273954 12638029	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS: PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL SYSTEMS AND METHODS FOR GENERATING ORDERED LISTS	Closed Closed Pending Pending Pending Closed Closed			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner  Michael L. Craner  Danny R. Gaydou Michael L. Craner
11274851 11273921 12608360 11273954 12638029 11324183 11397525	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS: PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL SYSTEMS AND METHODS FOR GENERATING ORDERED LISTS MESSAGE EXCHANGE IN AN	Clased Clased Pending Pending Pending Clased Clased Closed			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner  Danny R. Gaydou Michael L. Craner Daniel C. Hagenbuch
11274851 11273921 12608360 11273954 12638029 11324183 11397525	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL SYSTEMS AND METHODS FOR GENERATING ORDERED LISTS MESSAGE EXCHANGE IN AN INTERACTIVE TELEVISION APPLICATION	Clased Clased Pending Pending Pending Clased Clased Closed			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner  Michael L. Craner  Danny R. Gaydou Michael L. Craner  Daniel C. Hagenbuch Eric N. Cheldelin
11274851 11273921 12608360 11273954 12638029 11324183 11397525	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS: PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL SYSTEMS AND METHODS FOR GENERATING ORDERED LISTS MESSAGE EXCHANGE IN AN	Clased Clased Pending Pending Pending Clased Clased Closed			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner  Danny R. Gaydou Michael L. Craner Daniel C. Hagenbuch Eric N. Cheldelin Michael D. Ellis
11274851 11273921 12608360 11273954 12638029 11324183 11397525	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL SYSTEMS AND METHODS FOR GENERATING ORDERED LISTS MESSAGE EXCHANGE IN AN INTERACTIVE TELEVISION APPLICATION	Clased Clased Pending Pending Pending Clased Clased Closed			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tis D. Peterson Michael Craner Tia D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner  Danny R. Gaydou Michael L. Craner Daniel C. Hagenbuch Eric N. Cheldelin Michael D. Ellis Nick Lerby Martens
11274851 11273921 12608360 11273964 12638029 11324123 11397525	MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS PARENTAL PLAYLISTS  PARENTAL MEDIA PALETTES  PARENTAL MEDIA PALETTES  MEDIA CONTROL SYSTEM WITH VIEWER REWARDS MEDIA CONTROL SYSTEM WITH VIEWER REWARDS CUSTOMIZED VIRTUAL CHANNEL SYSTEMS AND METHODS FOR GENERATING ORDERED LISTS MESSAGE EXCHANGE IN AN INTERACTIVE TELEVISION APPLICATION	Clased Clased Pending Pending Pending Clased Clased Closed			14-Nov-05 14-Nov-05 29-Oct-09 14-Nov-05 15-Dec-09	Michael L. Craner Tia D. Peterson Michael L. Craner Tia D. Peterson Michael Craner Tia D. Peterson Michael L. Craner Michael L. Craner  Danny R. Gaydou Michael L. Craner Daniel C. Hagenbuch Eric N. Cheldelin Michael D. Ellis

		·	•	1	l	1	Richard A. Collins
						5	Robert A. Knee
							Sean LeBlanc
							Steven A. Terrell
80887817	MESSAGE EXCHANGE IN AN	Closed		<b></b>		1 4 06	Daniel C. Hagenbuch
	INTERACTIVE TELEVISION APPLICATION					19401-03	Eric N. Cheldelin
	SYSTEM						Michael D. Ellis
	SISIEM						
							Nick Leroy Martens
							Philip P. Stick
					}		Raymond M. Lei
							Richard A. Collins
							Robert A. Knee
							Sean LeBlanc
							Steven A. Terreli
	PLAYLISTS AND BOOKMARKS IN AN	Pending				2-Mar-06	Denny R. Gaydou
	INTERACTIVE MEDIA GUIDANCE				}		Jon P. Radioff
	APPLICATION SYSTEM						Kenneth F. Carpenter
							Mark A. Heyner
		<u> </u>					Thomas J, Carroll
	PLAYLISTS AND BOOKMARKS IN AN	Closed			<b>}</b>	1-Apr-08	Danny R. Gaydou
	INTERACTIVE TELEVISION APPLICATION	§					
	SYSTEM		***************************************				Jon P. Radioff
60667913	OPTION SELECTION SYSTEM IN	Closed				1-Apr-05	Charles White
	INTERACTIVE TELEVISION APPLICATION						Gerard Kunkel
	SYSTEMS						Scott Armstrong
11430468	SYSTEMS AND METHODS FOR	Closed				8-May-06	Michael L. Craner
	CONTENT SURFING						
12581291	SYSTEMS AND METHODS FOR	Pending				19-Oct-09	Michael L. Craner
	CONTENT SURFING						
60678493	SYSTEM AND METHODS FOR SURFING	Closed				6-May-05	Michael L. Craner
		<b>{</b> .					
11455966	USER INTERFACE FOR CONSTRUCTING	Closed				19-Jun-08	Michael L. Craner
	A UNIQUE USER IDENTIFIER						
60678494	SYSTEMS AND METHODS FOR	Clased				6-May-05	Gerard Kunkel
	PROVIDING A VIDEO SCAN						Jon P. Radioff
							Michael D. Ellis
							Michael L. Craner
							Rajeshwari B. Iyer
60686229	SYSTEMS AND METHODS FOR	Closed				31.1400.06	Andrzej T. Jakubowski
- 1	PROVIDING A VIDEO SCAN	0.0000				3 1-May 10.7	Gerard Kunkel
	PROVIDING A VIDEO SCAN						Jon P. Radloff
							Michael D. Ellis
							Michael L. Craner
	SYSTEMS AND METHODS FOR						Rajeshwari B. Iyer
		Pending				8-May-06	Andrzej T. Jakubowski
	PROVIDING A SCAN						Gerard Kunkel
							Jon P. Radjoff
							Michael D. Ellis
							Michael L. Craner
							Rajeshwari B. Iyer
*	ALLOWED LO ALUM ALUMNI CONTROL						
3	SYSTEMS AND METHODS FOR PROVIDING A VIDEO SCAN	Pending				•	Andrzej T. Jakubowski Gerard Kunkel

	1	1	I	1	•	I	Jon P. Radloff
			į				Michael D. Ellis
							Michael L. Craner
							Rajeshwari B. Iyer
12189386	SYSTEMS AND METHODS FOR	Pending				11 4 2 09	Andrzej T. Jakubowski
•	PROVIDING A SCAN	2110319				i i-nug-vo	Gerard Kunkel
							Jon P. Radioff
							Jon r. nacion Michael D. Ellis
							Michael L Craner
4442442	SYSTEMS AND METHODS FOR	Pending				2.1/ 22	Rajeshwari B. Iyer
1 (43 ) 120	1	renging				5-May-ub	Andrzej T. Jakubowski
	PROVIDING A SCAN						Gerard Kunkel
							Jon P. Radloff
		1					Michael D. Ellis
							Michael L. Craner
							Rajeshwari B. Iyer
11430516	SYSTEMS AND METHODS FOR	Pending				8-May-06	Andrzej T. Jakubowski
	PROVIDING A SCAN						Gerard Kunkel
							Jon P. Radioff
							Michael D. Ellis
							Michael L. Craner
							Rajeshwan B. Iyer
60711344	FEATURES FOR INTERACTIVE	Closed				24-Aug-05	Charles White
	PROGRAM GUIDES						Danny R. Gaydou
							Gerard Kunkel
							Tia D. Peterson
50711192	THREE-DIMENIONAL NAVIGATION	Closed	7.33			24-Aug-05	Charles White
	PARADIGMS IN INTERACTIVE					_	Danny R. Gaydou
	TELEVISION PROGRAM GUIDES						Gerard Kunkel
11510363	SYSTEMS AND METHODS FOR	Pending				24-Aug-06	Jon P. Radloff
	PROVIDING BLACKOUT SUPPORT IN					· ·	
	VIDEO MOSAIC ENVIRONMENTS						Michael D. Ellis
11510247	SYSTEMS AND METHODS FOR	Pending				24-Aug-06	Charles White
	PROVIDING PARENTAL CONTROL						- Think
	FEATURES IN VIDEO MOSAIC						Jon P. Radloff
	ENVIRONMENTS						Michael D. Ellis
11365767	SYSTEMS AND METHODS FOR	Pending				28 Eat 06	Michael L. Craner
.,,,,,,,,,	ENHANCED TRICK PLAY FUNCTIONS					201 60-00	Michigan C. Charles
11401854	SYSTEMS AND METHODS FOR	Pending				10 1 06	Mahaall Carre
11401004	l	rending				IU-Apr-uo	Michael L. Craner
	PROVIDING PARENTAL CONTROL						
	ASSET SEARCHING						
1360/680	SYSTEMS AND METHODS FOR	Closed				1-Dec-06	Jon P. Radloff
	EXCHANGING ADVERTISEMENT						
11635148	SYSTEMS AND METHODS FOR MEDIA	Pending				6-Dec-06	Jon P. Radloff
	SOURCE SELECTION AND TOGGLING						Thomas Day
11607599	SYSTEM AND METHODS FOR	Closed				1-Dec-06	Jon P. Radloff
	MANAGING PARENTAL CONTROL WISH						
	LISTS						
11778710	SYSTEMS AND METHODS FOR	Pending				17-Jul-07	Michael Craner
	INTERACTING WITH MULTIPLE						
	PLAYLISTS						Robert A. Knee

11647787	SYSTEMS AND METHODS FOR CREATING VIDEO MOSAIC PAGES WITH	Closed		<b>G</b>	28-Dec-06	Michael L. Craner
12539367	LOCAL CONTENT SYSTEMS AND METHODS FOR CREATING CUSTOM VIDEO MOSAIC PAGES WITH LOCAL CONTENT	Pending			11-Aug-09	Michael L. Craner
11644120	SYSTEMS AND METHODS FOR SUPPORTING MULTI-USER MEDIA CONTENT ACCESS USING INDEX POINTS	Glosed			22-Dec-06	Anthony M. Daddario  Kyle Aaron Michael L. Craner
12545981	SYSTEMS AND METHODS FOR SUPPORTING MULTI-USER MEDIA CONTENT ACCESS USING INDEX	Pending			24-Aug-09	Anthony M. Daddario JR.  Kyle Aaron
11644119	POINTS SYSTEMS AND METHODS FOR INSERTING ADVERTISEMENTS DURING	Pending			22-Dec-06	Michael L. Craner Michael L. Craner
126 16875	COMMERCIAL SKIP SYSTEMS AND METHODS FOR INSERTING ADVERTISEMENTS DURING:	Pending			12-Nov-09	Robert A, Knee Michael L. Craner
	COMMERCIAL SKIP SYSTEMS AND METHODS FOR VIEWING SUBSTITUTE MEDIA WHILE FAST FORWARDING PAST AN	Closed			22-Dec-06	Robert A. Knee Michael D. Ellis Michael L. Craner
	ADVERTISEMENT SYSTEMS AND METHODS FOR VIEWING SUBSTITUTE MEDIA WHILE FAST FORWARDING PAST AN	Pending			14-Jul-09	Robert A. Knee Michael D. Ellis Michael L. Craner
	ADVERTISEMENT USER INTERFACE FEATURES FOR INFORMATION MANIPULATION AND	Closed			9-Jan-06	Robert A. Knee Michael L. Craner
11329329	DISPLAY DEVICES USER INTERFACE FEATURES FOR INFORMATION MANIPULATION AND DISPLAY DEVICES	Closed			9-Jan-06	Michael L. Craner
	USER INTERFACE FEATURES FOR INFORMATION MANIPULATION AND DISPLAY DEVICES	Pending			20-Oct-09	Michael L. Craner
	USER INTERFACE FEATURES FOR INFORMATION MANIPULATION AND DISPLAY DEVICES	Closed			9-Jan-06	Michael L. Craner
	SYSTEMS AND METHODS FOR ALLOCATING BANDWIDTH IN SWITCHED DIGITAL VIDEO SYSTEMS BASED ON INTEREST	Pending			20-Jul-07	Michael Craner
		Pending			11-Jul-08	Robert A. Knee
11784120	INLEREST ADVANCED RECORDING OPTIONS FOR INTERACTIVE MEDIA GUIDANCE APPLICATION SYSTEMS	Pending			3-Apr-07	Reed S. Spiegel
	SYSTEMS AND METHODS FOR PROVIDING BLACKOUT RECORDING	Pending			27-Apr-07	Jon P. Radioff

	AND SUMMARY INFORMATION				1		Michael D. Ellis
11827248	SYSTEMS AND METHODS FOR	Pending				11-Jul-07	Michael D. Ellis
	PROVIDING A SCAN TRANSPORT BAR			l			
12005641	SYSTEMS AND METHODS FOR	Pending				25-Dec-07	Michael Feldman
	EPISODIC ADVERTISEMENT TRACKING						Michael L. Craner
11888617	SYSTEMS AND METHODS FOR	Pending				31-Jul-07	Jon P. Radloff
	PROVIDING MEDIA GUIDANCE HOT				<b>[</b>		Michael D. Ellis
	LISTS						Robert A. Knee
		1				ĺ	Thomas J. Day
60834605	SYSTEM AND METHODS FOR	Closed				31_88.06	Jon P. Radioff
	PROVIDING AN ENHANCED GUIDANCE						Michael D. Ellis
	EXPERIENCE						Michael L. Craner
	Surf No. Sup College O Northe						Robert A. Knee
							Thomas Day
11888670	SYSTEMS AND METHODS FOR	Pending				31- bd-07	Jon P. Radloff
11000070	PROVIDING CUSTOM MOVIE LISTS	i citaing				31-30F07	Michael D. Ellis
	PROVIDING COSTOM MOVIE EIGTS						
engrana	SYSTEMS AND METHODS FOR	Pending				20 5 3 3	Robert A. Knee
		(cenning				20-196-07	Jon P. Radioff
	PROVIDING ENHANCED SPORTS						
4400007	WATCHING MEDIA GUIDANCE	<b>1</b>					Michael D. Ellis
11000075	SYSTEMS AND METHODS FOR	Pending				31-Jul-07	Jon P. Radioff
	PROVIDING ENHANCED SPORTS						
	WATCHING MEDIA GUIDANCE	2000000000	******************************				Michael D. Ellis
11888616	SYSTEMS AND METHODS FOR	Pending				31-Jul-07	Jon P. Radioff
	PROVIDING ENHANCED SPORTS						
	WATCHING MEDIA GUIDANCE						Michael D. Elis
11888679	SYSTEMS AND METHODS FOR	Pending				31-Jul-07	Michael D. Ellis
	PROVIDING ENHANCED SPORTS						
	WATCHING MEDIA GUIDANCE		***************************************				
11888637	SYSTEMS AND METHODS FOR	Pending				31-Jul-07	Michael D. Ellis
	PROVIDING MEDIA GUIDANCE						
	PLANNERS						Michael L. Craner
11888676	SYSTEMS AND METHODS FOR	Pending				31-Jul-07	Michael D. Ellis
	PROVIDING MEDIA GUIDANCE					7	
	PLANNERS					4	Michael L. Craner
11888578	SYSTEMS AND METHODS FOR	Pending				31-Jul-07	Michael D. Elis
	PROVIDING CUSTOM MEDIA CONTENT						
	FLIPPING						
11717986	SYSTEMS AND METHODS FOR	Closed				14-Mar-07	Elizabeth B. Callahan
	MAGNIFYING CONTENTS OF A TABLE					***************************************	201200000000000000000000000000000000000
12005042	DELETING TWO OR MORE STORED	Pending				21-Dec-07	Joshua Berry
	MEDIA PROGRAM REFERENCES BASED					2.200,	Journal Don's
	ON AT LEAST ONE PROGRAM						
11710458	REFERENCE ATTRIBUTE CHANNEL SEARCHING BY CONTENT	Closed				27 5.4 03	John W. Baxter
	TYPE	~~~~		l		23-180-01	ww.ci 75, 1365101
12818022	CHANNEL SEARCHING BY CONTENT	Pendina				40.1100	Jaha W. Dandara
120 10920		renaing				12-Nov-09	John W. Baxter
4407466	TYPE	ļ		ļ			
11974259	STORAGE MANAGEMENT OF A	Pending				12-Oct-07	Michael L. Craner
į	RECORDING DEVICE IN A MULTI-USER						
	SYSTEM			<u> </u>		<b>!</b> i	Robert A. Knee

12006103	SYSTEMS AND METHODS FOR	Pending			28-Dec-07	Michael L. Craner
	PROVIDING CONTENT THAT IS					
	ILLUSTRATIVE OF CONTENT CONTROL					
	RATINGS			1		Reed S. Spiegel
	SYSTEMS AND METHODS FOR	Pending			29-May-08	Jon P. Radloff
	ALERTING USERS OF THE POSTPONED					
	RECORDING OF PROGRAMS		**************************************	***		
	SYSTEMS AND METHODS FOR RANKING	Pending			27-Jun-08	John Baxter
	ASSETS RELATIVE TO A GROUP OF					
	VIEWERS	<u> </u>				Michael Craner
	SYSTEM AND METHODS FOR	Pending			12-Nov-08	Michael L. Craner
	DETECTING INCONSISTENT USER	1				
	ACTIONS AND PROVIDING FEEDBACK					
	SYSTEMS AND METHODS OF	Pending			27-Jun-08	Michael L. Craner
	TRANSITIONING FROM BUFFERING					
	VIDEO TO RECORDING VIDEO					Robert A, Knee
	SYSTEMS AND METHODS FOR	Pending			3.Oct-08	Michael L. Craner
	DELETING VIEWED PORTIONS OF					
	RECORDED PROGRAMS					
	SYSTEM AND METHODS FOR	Pending			6-Aug-08	Jia Jane Wu
	IDENTIFYING AND MERGING					
	RECORDED SEGMENTS BELONGING TO					
	THE SAME PROGRAM					Joshua Berry
	INTERACTIVE TELEVISION PROGRAM	Closed			4-Jan-08	Charles White
	GUIDES					Kyle Aaron
						Steven Carr
	SYSTEMS AND METHODS FOR	Pending			31-Dec-08	Charles White
	SELECTING MEDIA ASSETS FOR					
	DISPLAY IN A SCREEN OF AN					Gerard Kunkel
	INTERACTIVE MEDIA GUIDANCE					Kyle Aaron
	APPLICATION					Steven Carr

**RECORDED: 10/28/2014**