

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3095760

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICROSOFT CORPORATION	10/27/2014
RECEIVING PARTY DATA	
Name:	ROVI TECHNOLOGIES CORPORATION
Street Address:	2233 N. ONTARIO STREET
City:	BURBANK
State/Country:	CALIFORNIA
Postal Code:	91504
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14339186
CORRESPONDENCE DATA	
Fax Number:	(617)235-9492
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	212-596-9000
Email:	linda.blake@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:	003597-2129-102
NAME OF SUBMITTER:	LINDA BLAKE
SIGNATURE:	/Linda Blake/
DATE SIGNED:	11/05/2014
Total Attachments: 55 source=Rovi-Microsoft Assignment#page1.tif source=Rovi-Microsoft Assignment#page2.tif source=Rovi-Microsoft Assignment#page3.tif source=Rovi-Microsoft Assignment#page4.tif source=Rovi-Microsoft Assignment#page5.tif source=Rovi-Microsoft Assignment#page6.tif source=Rovi-Microsoft Assignment#page7.tif	

PATENT

source=Rovi-Microsoft Assignment#page8.tif
source=Rovi-Microsoft Assignment#page9.tif
source=Rovi-Microsoft Assignment#page10.tif
source=Rovi-Microsoft Assignment#page11.tif
source=Rovi-Microsoft Assignment#page12.tif
source=Rovi-Microsoft Assignment#page13.tif
source=Rovi-Microsoft Assignment#page14.tif
source=Rovi-Microsoft Assignment#page15.tif
source=Rovi-Microsoft Assignment#page16.tif
source=Rovi-Microsoft Assignment#page17.tif
source=Rovi-Microsoft Assignment#page18.tif
source=Rovi-Microsoft Assignment#page19.tif
source=Rovi-Microsoft Assignment#page20.tif
source=Rovi-Microsoft Assignment#page21.tif
source=Rovi-Microsoft Assignment#page22.tif
source=Rovi-Microsoft Assignment#page23.tif
source=Rovi-Microsoft Assignment#page24.tif
source=Rovi-Microsoft Assignment#page25.tif
source=Rovi-Microsoft Assignment#page26.tif
source=Rovi-Microsoft Assignment#page27.tif
source=Rovi-Microsoft Assignment#page28.tif
source=Rovi-Microsoft Assignment#page29.tif
source=Rovi-Microsoft Assignment#page30.tif
source=Rovi-Microsoft Assignment#page31.tif
source=Rovi-Microsoft Assignment#page32.tif
source=Rovi-Microsoft Assignment#page33.tif
source=Rovi-Microsoft Assignment#page34.tif
source=Rovi-Microsoft Assignment#page35.tif
source=Rovi-Microsoft Assignment#page36.tif
source=Rovi-Microsoft Assignment#page37.tif
source=Rovi-Microsoft Assignment#page38.tif
source=Rovi-Microsoft Assignment#page39.tif
source=Rovi-Microsoft Assignment#page40.tif
source=Rovi-Microsoft Assignment#page41.tif
source=Rovi-Microsoft Assignment#page42.tif
source=Rovi-Microsoft Assignment#page43.tif
source=Rovi-Microsoft Assignment#page44.tif
source=Rovi-Microsoft Assignment#page45.tif
source=Rovi-Microsoft Assignment#page46.tif
source=Rovi-Microsoft Assignment#page47.tif
source=Rovi-Microsoft Assignment#page48.tif
source=Rovi-Microsoft Assignment#page49.tif
source=Rovi-Microsoft Assignment#page50.tif
source=Rovi-Microsoft Assignment#page51.tif
source=Rovi-Microsoft Assignment#page52.tif
source=Rovi-Microsoft Assignment#page53.tif
source=Rovi-Microsoft Assignment#page54.tif
source=Rovi-Microsoft Assignment#page55.tif

Exhibit B

ACKNOWLEDGEMENT AND CORRECTED ASSIGNMENT

The parties hereto recognize and acknowledge that the Assignment executed on or about ~~June 8~~ ^{July 8}, 2014 ("Assignment"), identified the incorrect Rovi entity as the assignee of the patents and patent applications identified in Attachment A thereto. In particular, Rovi Corporation recognizes and acknowledges that the Assignment incorrectly identified Rovi Corporation as the beneficiary and assignee of the patents and patent applications listed in Attachment A to the Assignment.

In view thereof, the parties hereby execute this corrected assignment, in which, for good and valuable consideration, the receipt of which is hereby acknowledged, Microsoft Corporation, having an office at One Microsoft Way, Redmond, WA 98052 ("Assignor"), does hereby sell, assign, transfer and convey unto ROVI Technologies Corporation, having an office at 2233 N. Ontario Street, Burbank, CA 91504 ("Assignee") or its designees, all of Assignor's entire right, title and interest in and to the patents and patent applications listed below, and all inventions described and claimed therein or entitled to the benefit thereof, including all worldwide reissues, reexaminations, continuations, parents, continuations-in-part, divisionals, extensions, renewals, foreign counterparts to all of the foregoing patents and patent applications, and all patents and patent applications claiming priority to or from any and all of the foregoing worldwide (collectively "Patent Rights") as listed in the Attachment A to this Acknowledgement and Corrected Assignment.

In addition, Assignor agrees to and hereby does sell, assign, transfer and convey unto Assignee all rights (i) in and to causes of action and enforcement rights for the Patent Rights including all rights to pursue damages, injunctive relief and other remedies for past, present and future infringement of the Patent Rights, (ii) the right to apply (or continue prosecution) in any and all countries of the world for patents, design patents, utility models, certificates of invention or other governmental grants for the Patent Rights, including under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding, and (iii) the rights, if any, to revive prosecution of any abandoned Patent Rights.

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Acknowledgement and Corrected Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.

IN WITNESS WHEREOF this Acknowledgement and Corrected Assignment of Patent Rights is

executed at Redmond, WA on October 27, 2014

ASSIGNOR

By: Sg8 mb

Name: Sandip S Minhas

Title: Chief Patent Counsel



02435 00005/6279496 1

83 | Page

Confidential - Subject to ROVI/Microsoft NDA

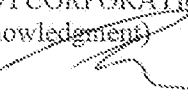
Marcia Lynn O'Brien
King County WA
10/27/2014

PATENT

REEL: 034109 FRAME: 0477

(Signature MUST be notarized)

ROVI CORPORATION (as Acknowledgee solely with respect to the incorrect assignment acknowledgment)

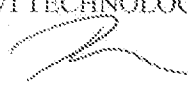
By: 

Name: Kerry Samovar

Title: Authorized Signatory

(Signature MUST be notarized)

ROVI TECHNOLOGIES CORPORATION (as Assignee)

By: 

Name: Kerry Samovar

Title: Authorized Signatory

(Signature MUST be notarized)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

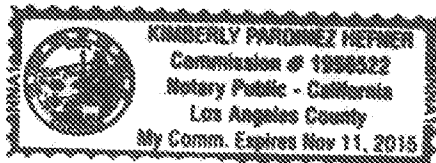
CIVIL CODE § 1189

State of California

County of Los Angeles

On October 30, 2014 before me, Kimberly Paredrez Hefner, Notary Public

personally appeared Kerry Samovar



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: [Signature]

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____ Signer's Name: _____

☐ Corporate Officer — Title(s): _____ ☐ Corporate Officer — Title(s): _____

☐ Individual ☐ Individual

☐ Partner — ☐ Limited ☐ General ☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact ☐ Attorney in Fact

☐ Trustee ☐ Trustee

☐ Guardian or Conservator ☐ Guardian or Conservator

☐ Other: _____ ☐ Other: _____

Signer Is Representing: _____ Signer Is Representing: _____

Attachment A to Exhibit B (Acknowledgement and Corrected Assignment)

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	08/520555	8/29/95		System and Methods for Supplying Continuous Media Data Over an ATM Public Network	United States of America
5651005	08/616577	8/29/95	7/22/97	System and Methods for Supplying Continuous Media Data Over an ATM Public Network	United States of America
8607268	12/354056	1/15/09	11/20/13	Categorized Electronic Program Guide	United States of America
5600368	08/336804	11/9/94	2/4/97	Interactive Television System and Method for Viewer Control of Multiple Camera Viewpoints in Broadcast Programming	United States of America
5642152	08/349889	12/6/94	6/24/97	Method and System for Scheduling the Transfer of Data Sequences Utilizing an Anti-clustering Scheduling Algorithm	United States of America
	PCT/US95/15928	12/6/95		Method and System for Scheduling the Transfer of Data Sequences Utilizing an Anti-clustering Scheduling Algorithm	Patent Cooperation Treaty
	1996/517788	12/6/95		Method and System for Scheduling the Transfer of Data Sequences Utilizing an Anti-clustering Scheduling Algorithm	Japan
	95943383.0	12/6/95		Method and System for Scheduling the Transfer of Data Sequences Utilizing an Anti-clustering Scheduling Algorithm	European Patent
5623613	08/346422	11/29/94	4/22/97	System for Displaying Programming Information	United States of America
5812123	08/766808	12/13/96	9/22/98	System for Displaying Programming Information	United States of America
6008803	09/130659	8/7/98	12/28/99	System for Displaying Programming Information	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	08/480626	6/7/95		System for Presenting Control Information in an Interactive Communications Environment	United States of America
	09/129187	8/3/98		System for Presenting Control Information in an Interactive Communications Environment	United States of America
6008803 C1	90/011539	3/7/11	12/28/99	System for Displaying Programming Information	United States of America
	08/437935	5/9/95		Tolerating Component Failure in a Continuous Media Server System	United States of America
5699503	08/705075	8/26/96	12/16/97	Method and System for Providing Fault Tolerance to a Continuous Media Server System	United States of America
8365222	12/359153	1/23/09	1/29/13	Animated Station Identifier in Program Guides	United States of America
8683522	13/749368	1/24/13	3/5/14	ANIMATED STATION IDENTIFIER IN PROGRAM GUIDES	United States of America
5657072	08/629814	4/10/96	8/12/97	Interactive Entertainment Network System and Method For Providing Program Listings During Non-Peak Times	United States of America
5734652	08/535770	9/27/95	3/31/98	ATM Extended Autoregistration and VPI/VCI Assignment In a Hybrid Fiber-Coax Cable Network	United States of America
6510157	08/639774	4/29/96	1/21/03	Dynamic ATM Connection Management in a Hybrid Fiber-Coax Cable Network	United States of America
6084876	09/181580	10/28/98	7/4/00	Dynamic ATM Connection Management in a Hybrid Fiber-Coax Cable Network	United States of America
	10/347061	1/17/03		Dynamic ATM Connection Management in a Hybrid Fiber-Coax Cable Network	United States of America
8320746	11/956356	12/14/07	11/27/12	RECORDED PROGRAMS RANKED BASED ON SOCIAL NETWORKS	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
6055314	08/620603	3/22/96	4/25/00	System and Method for Secure Purchase and Delivery of Video Content Programs	United States of America
6055314 C1	90/011542	3/7/11	4/25/00	System and Method for Secure Purchase and Delivery of Video Content Programs	United States of America
5815145	08/517255	8/21/95	9/29/98	System and Method for Displaying a Program Guide for an Interactive Televideo System	United States of America
	61/036436	3/13/08		TELEVISION CONTENT FROM MULTIPLE SOURCES	United States of America
8276182	12/246290	10/6/08	9/25/12	Television Content from Multiple Sources	United States of America
5654748	08/435978	5/5/95	8/5/97	Interactive Program Identification System	United States of America
5654748C1	90/011540	3/7/11	8/5/97	Interactive Program Identification System	United States of America
5526036	08/435638	5/5/95	6/11/96	Program Reminder System	United States of America
5699107	08/630791	4/10/96	12/16/97	Program Reminder System	United States of America
5687331	08/510965	8/3/95	11/11/97	Method and System for Displaying an Animated Focus Item	United States of America
	07/898212	6/12/92		Remote Controller User Interface and Methods Relating Thereto	United States of America
5689663	08/472052	6/6/95	11/18/97	Remote Controller User Interface and Methods Relating Thereto	United States of America
7546357	10/806369	3/23/04	6/9/09	Configuring Network Settings Using Portable Storage Media	United States of America
7930374	12/422750	4/13/09	4/19/11	Configuring Network Settings Using Portable Storage Media	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
8145735	13/088943	4/18/11	3/27/12	CONFIGURING NETWORK SETTINGS USING PORTABLE STORAGE MEDIA	United States of America
	10/807095	3/23/04		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	United States of America
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	European Patent
	2005-2843	1/7/05		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Japan
ZL200510004067.3	200510004067.3	1/7/05	5/6/09	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	China
	10-2005-1617	1/7/05		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Korea Republic of (KR)
	2569/DEL/2004	12/27/04		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	India
	2491556	1/5/05		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Canada
	PI0501086-1	1/5/05		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Brazil
2357282	2004139196	12/30/04	5/27/09	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Russian Federation
2004240251	2004240251	12/21/04	12/21/04	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Australia
262614	PA/a/2005/000478	1/7/05	11/28/08	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Mexico

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	0401005237	12/27/04		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Thailand
HK1079370	05111352.4	1/4/05	3/14/08	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Hong Kong
MY-138496-A	PI20050004	1/3/05	6/30/09	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Malaysia
	93139880	12/21/04		Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Taiwan
2004/10331	2004/10331	12/22/04	4/29/09	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	South Africa
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Austria
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Belgium
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Denmark
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	France
602005002147.7	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Germany (Federal Republic of)
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Italy
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Netherlands

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Poland
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Spain
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Sweden
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	Switzerland
1553746	05000086.8	1/4/05	8/29/07	Configuring Network Settings of Thin Client Devices Using Portable Storage Media	United Kingdom
7657612	10/806331	3/23/04	2/2/10	XML Schema for Network Device Configuration	United States of America
	05000081.9	1/4/05		XML Schema for Network Device Configuration	European Patent
	2005-2844	1/7/05		XML Schema for Network Device Configuration	Japan
	2005100040 54.6	1/7/05		XML Schema for Network Device Configuration	China
10- 1176644	10-2005- 1656	1/7/05	8/17/12	XML Schema for Network Device Configuration	Korea Republic of (KR)
	2567/DEL/2 004	12/27/04		XML Schema for Network Device Configuration	India
	10/806772	3/23/04		Use Of Static Diffie-Hellman Key With Ipsec For Authentication	United States of America
	10/806836	3/23/04		Configuring an ad hoc Wireless Network Using a Portable Media Device	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
1553729	05000083.5	1/4/05	11/29/06	Configuring an ad hoc Wireless Network Using a Portable Media Device	European Patent
4764012	2005-002845	1/7/05	6/17/11	Configuring an ad hoc Wireless Network Using a Portable Media Device	Japan
ZL200510004053.1	200510004053.1	1/7/05	11/3/10	Configuring an ad hoc Wireless Network Using a Portable Media Device	China
	10-2005-1838	1/7/05		Configuring an ad hoc Wireless Network Using a Portable Media Device	Korea Republic of (KR)
	2568/DEL/2004	12/27/04		Configuring an ad hoc Wireless Network Using a Portable Media Device	India
1553729	05000083.5	1/4/05	11/29/06	Configuring an ad hoc Wireless Network Using a Portable Media Device	France
602005000281.2	05000083.5	1/4/05	11/29/06	Configuring an ad hoc Wireless Network Using a Portable Media Device	Germany (Federal Republic of)
1553729	05000083.5	1/4/05	11/29/06	Configuring an ad hoc Wireless Network Using a Portable Media Device	Italy
1553729	05000083.5	1/4/05	11/29/06	Configuring an ad hoc Wireless Network Using a Portable Media Device	United Kingdom
	60/592506	7/30/04		System and Method for Providing Secure Network Access	United States of America
7769995	10/999555	11/30/04	8/3/10	System and Method for Providing Secure Network Access	United States of America
	05107023.3	7/29/05		System and Method for Providing Secure Network Access	European Patent
5007031	2005-223307	8/1/05	6/1/12	System and Method for Providing Secure Network Access	Japan

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
ZL200510119933.3	200510119933.3	7/29/05	12/30/09	System and Method for Providing Secure Network Access	China
10-1169083	10-2005-69548	7/29/05	7/20/12	System and Method for Providing Secure Network Access	Korea Republic of (KR)
	1884/DEL/2005	7/19/05		System and Method for Providing Secure Network Access	India
5091345	2011-260868	8/1/05	9/21/12	System and Method for Providing Secure Network Access	Japan
	60/534795	1/7/04		Configuring Network Settings Using Portable Storage Media	United States of America
	08/828709	3/31/97		Query-Based Electronic Program Guide	United States of America
3898335	1998/125155	3/31/98	1/5/07	Query-Based Electronic Program Guide	Japan
	19814254.4	3/31/98		Query-Based Electronic Program Guide	Germany (Federal Republic of)
9803913	98/03913	3/30/98	9/1/06	Query-Based Electronic Program Guide	France
2325537	98/05687.2	3/17/98	1/19/00	Query-Based Electronic Program Guide	United Kingdom
2340636	99/26885.6	3/17/98	8/9/00	Query-Based Electronic Program Guide	United Kingdom
2340637	99/26888.0	3/17/98	1/10/01	Query-Based Electronic Program Guide	United Kingdom
2340638	99/26891.4	3/17/98	8/9/00	Query-Based Electronic Program Guide	United Kingdom
2340633	99/26878.1	3/17/98	1/10/01	Query-Based Electronic Program Guide	United Kingdom
2340634	99/26882.3	3/17/98	4/18/01	Query-Based Electronic Program Guide	United Kingdom
2340635	99/26883.1	3/17/98	8/9/00	Query-Based Electronic Program Guide	United Kingdom

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
2353123	00/26845.8	3/17/98	7/11/01	Query-Based Electronic Program Guide	United Kingdom
8051450	10/686984	10/16/03	11/1/11	Query-Based Electronic Program Guide	United States of America
	2005-370875	3/31/98		Query-Based Electronic Program Guide	Japan
4249764	2006-174231	3/31/98	1/23/09	Query-Based Electronic Program Guide	Japan
4405982	2006-174232	3/31/98	11/13/09	Query-Based Electronic Program Guide	Japan
4268625	2006-174233	3/31/98	2/27/09	Query-Based Electronic Program Guide	Japan
4354973	2006-174234	3/31/98	8/7/09	Query-Based Electronic Program Guide	Japan
	2006-174235	3/31/98		Query-Based Electronic Program Guide	Japan
4388948	2006-294853	3/31/98	10/9/09	Query-Based Electronic Program Guide	Japan
	19861472.1	3/31/98		Query-Based Electronic Program Guide	Germany (Federal Republic of)
5857190	08/675463	6/27/96	1/5/99	Event Logging System and Method for Logging Events in a Network System	United States of America
7969891	11/789156	4/24/07	6/28/11	ADJUSTMENT OF CLOCK APPROXIMATIONS	United States of America
5539471	08/254363	5/3/94	7/23/96	System and Method for Inserting Data Into a Video Signal	United States of America
	95106567.1	5/2/95		System and Method for Inserting Data Into a Video Signal	European Patent
3534892	1995-109434	5/8/95	3/19/04	System and Method for Inserting Data Into a Video Signal	Japan
319991	95/11149	5/3/95	12/24/01	System and Method for Inserting Data Into a Video Signal.	Korea Republic of (KR)

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
5708476	08/681083	7/22/96	1/13/98	System and Method for Inserting and Recovering a Data Signal for Transmission with a Video Signal	United States of America
7904933	10/716998	11/19/03	3/8/11	Generating and Managing DTV Application Signaling Based on Asset Definition	United States of America
5621471	08/237265	5/3/94	4/15/97	System and Method for Inserting and Recovering An Add-On Data Signal For Transmission With A Video Signal	United States of America
0681402	95106568.9	5/2/95	2/13/02	System and Method for Inserting Data Into a Video Signal	European Patent
3514871	1995/10838 2	5/2/95	1/23/04	System and Method for Inserting Data Into a Video Signal	Japan
381081	10/1995/001 0784	5/3/95	4/8/03	System and Method for Inserting Data Into a Video Signal	Korea Republic of (KR)
5739866	08/755970	11/25/96	4/14/98	System and Method for Inserting and Recovering a Data Signal for Transmission with a Video Signal	United States of America
0681402	69525383.2	5/2/95	2/13/02	System and Method for Inserting Data Into a Video Signal	Germany (Federal Republic of)
0681402	95/106568.9	5/2/95	2/13/02	System and Method for Inserting Data Into a Video Signal	France
0681402	95/106568.9	5/2/95	2/13/02	System and Method for Inserting Data Into a Video Signal	United Kingdom
5745095	08/572292	12/13/95	4/28/98	Compositing Digital Information on a Display Screen Based on Screen Descriptor	United States of America
6141003	08/820710	3/18/97	10/31/00	Channel Bar User Interface for an Entertainment System	United States of America
4033965	1998/06799 0	3/18/98	11/2/07	Channel Bar User Interface for an Entertainment System	Japan
	19811910.0	3/18/98		Channel Bar User Interface for an Entertainment System	Germany (Federal Republic of)

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
98 03313	98/03313	3/18/98	9/1/06	Channel Bar User Interface for an Entertainment System	France
GB2323489	98/05688.0	3/17/98	8/22/01	Channel Bar User Interface for an Entertainment System	United Kingdom
2342241	99/28054.7	3/17/98	8/22/01	Channel Bar User Interface for an Entertainment System	United Kingdom
GB2342240	99/28053.9	3/17/98	8/22/01	Channel Bar User Interface for an Entertainment System	United Kingdom
2355873	0102127.8	3/17/98	8/22/01	Channel Bar User Interface for an Entertainment System	United Kingdom
GB2360407	0114641.4	3/17/98	10/24/01	Channel Bar User Interface for an Entertainment System	United Kingdom
GB2360652	0114642.2	3/17/98	12/5/01	Channel Bar User Interface for an Entertainment System	United Kingdom
4435768	2006-290431	3/18/98	1/8/10	Channel Bar User Interface for an Entertainment System	Japan
4407966	2006-290432	3/18/98	11/20/09	Channel Bar User Interface for an Entertainment System	Japan
	08/641051	4/29/96		Method and System for Displaying Images on a Display Device	United States of America
5838336	08/752074	11/19/96	11/17/98	Method and System for Displaying Images on a Display Device	United States of America
7904930	10/965501	10/14/04	3/8/11	Broadcast Content Delivery Systems and Methods	United States of America
6560777	09/287984	4/7/99	5/6/03	Broadcast Enhancement Trigger Addressed to Multiple Uniquely Addressed Information Resources	United States of America
	PCT/US00/09187	4/7/00		Broadcast Enhancement Trigger Addressed to Multiple Uniquely Addressed Information Resources	Patent Cooperation Treaty
5745909	08/677915	7/9/96	4/28/98	Method and Apparatus for Reducing Flicker When Displaying HT ML Images on a Television Monitor	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	PCT/US97/10067	6/5/97		Method and Apparatus for Dynamically Adding Functionality to a Web Browser	Patent Cooperation Treaty
6173296	09/065814	4/23/98	1/9/01	Method and Apparatus for Reducing Flicker When Displaying HTML Images on a Television Monitor	United States of America
1021795	97929908.8	6/5/97	3/22/06	Method and Apparatus for Dynamically Adding Functionality to a Web Browser	European Patent
4011118	1998/505196	6/5/97	9/14/07	Method and Apparatus for Dynamically Adding Functionality to a Web Browser	Japan
6539407	09/717977	11/21/00	3/25/03	Method and Apparatus for Reducing Flicker When Displaying HTML Images on a Television Monitor	United States of America
69735538.1	97929908.8	6/5/97	3/22/06	Method and Apparatus for Dynamically Adding Functionality to a Web Browser	Germany (Federal Republic of)
1021795	97929908.8	6/5/97	3/22/06	Method and Apparatus for Dynamically Adding Functionality to a Web Browser	France
1021795	97929908.8	6/5/97	3/22/06	Method and Apparatus for Dynamically Adding Functionality to a Web Browser	United Kingdom
5905522	08/521359	8/31/95	5/18/99	Resource Allocation Method for Interactive Televideo System	United States of America
6996097	09/315810	5/21/99	2/7/06	Receiver-Driven Layered Error Correction Multicast Over Heterogeneous Packet Networks	United States of America
	PCT/US00/14060	5/22/00		Receiver-Driven Layered Error Correction Multicast Over Heterogeneous Packet Networks	Patent Cooperation Treaty
7697514	11/109250	4/18/05	4/13/10	Receiver-Driven Layered Error Correction Multicast Over Heterogeneous Packet Networks	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7366172	11/177258	7/8/05	4/29/08	Receiver-Driven Layered Error Correction Multicast Over Heterogeneous Packet Networks	United States of America
6532562	09/316869	5/21/99	3/11/03	Receiver-Driven Layered Error Correction Multicast Over Heterogeneous Packet Networks	United States of America
6594798	09/316696	5/21/99	7/15/03	Receiver-Driven Layered Error Correction Multicast Over Heterogeneous Packet Networks	United States of America
5583868	08/280190	7/25/94	12/10/96	Method and System for Combining Data from Multiple Servers into a Single Continuous Data Stream Using a Switch	United States of America
0695062	95111626.8	7/24/95	4/13/11	Method and System for Combining Data from Multiple Servers into a Single Continuous Data Stream Using a Switch	European Patent
69536156.2	95/111626.8	7/24/95	4/13/11	Method and System for Combining Data from Multiple Servers into a Single Continuous Data Stream Using a Switch	Germany (Federal Republic of)
0695062	95/111626.8	7/24/95	4/13/11	Method and System for Combining Data from Multiple Servers into a Single Continuous Data Stream Using a Switch	France
0695062	95/111626.8	7/24/95	4/13/11	Method and System for Combining Data from Multiple Servers into a Single Continuous Data Stream Using a Switch	United Kingdom
3723254	1995/219388	7/25/95	9/22/05	Method and System for Combining Data from Multiple Servers into a Single Continuous Data Stream Using a Switch	Japan

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
5903563	08/700740	8/15/96	5/11/99	Method and System for Combining Data from Multiple Servers into a Single Continuous Data Stream Using a Switch	United States of America
5926474	08/668651	6/6/96	7/20/99	Protection Against Multiple Senders in a Multipoint to Point Data Funnel	United States of America
6400407	09/099118	6/17/98	6/4/02	Communicating Logical Addresses of Resources in a Data Service Channel of a Video Signal	United States of America
	09/153577	9/15/98		Television/Internet Terminal User Interface	United States of America
7181756	09/561085	4/28/00	2/20/07	Television/Internet Terminal User Interface	United States of America
7543323	10/133554	4/26/02	6/2/09	Retrieving Content Using Batch Mode and Real-Time Logical Addresses	United States of America
7849226	11/004088	12/2/04	12/7/10	Television With Set Top Internet Terminal With User Interface Wherein Auxiliary Content Is Received That Is Associated With Current Television Programming	United States of America
6215483	09/099481	6/17/98	4/10/01	Combining Real-Time and Batch Mode Logical Address Links	United States of America
6990678	09/788985	2/20/01	1/24/06	Combining Real-Time and Batch Mode Logical Address Links	United States of America
7165266	11/216250	8/31/05	1/16/07	Combining Real-Time and Batch Mode Logical Address Links	United States of America
7765575	11/614759	12/21/06	7/27/10	Combining Real-Time and Batch Mode Logical Address Links	United States of America
	08/521799	8/31/95		Message Delivery Method for Interactive Televideo System	United States of America
5874985	08/968386	11/12/97	2/23/99	Message Delivery Method for Interactive Televideo System	United States of America
6005602	09/241827	2/1/99	12/21/99	Message Delivery Method for Interactive Televideo System	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
RE38376	10/020283	12/14/01	12/30/03	Message Delivery Method for Interactive Televideo System	United States of America
6064449	08/961711	10/31/97	5/16/00	Automatic Characterization of a Television Signal	United States of America
	PCT/US98/20806	10/5/98		Automatic Characterization of a TV Signal	Patent Cooperation Treaty
7882525	11/789021	4/23/07	2/1/11	Data Collection for a Comprehensive Program Guide	United States of America
	13/326960	12/15/11		Dynamic Personalized Program Content	United States of America
	12/978100	12/23/10		Electronic Programming Guide (EPG) Affinity Clusters	United States of America
	201110435764.X	12/22/11		Electronic Programming Guide (EPG) Affinity Clusters	China
	12112174.9	12/22/11		Electronic Programming Guide (EPG) Affinity Clusters	Hong Kong
7882522	11/564721	11/29/06	2/1/11	Determining User Interest Based On Guide Navigation	United States of America
	12/639760	12/16/09		Content Recommendation	United States of America
6678737	09/560978	4/28/00	1/13/04	Home Network Appliance and Method	United States of America
7185363	10/265437	10/4/02	2/27/07	Using a First Device to Engage in a Digital Rights Management Transaction on Behalf of a Second Device	United States of America
7865964	11/624029	1/17/07	1/4/11	Using a First Device to Engage in a Digital Rights Management Transaction on Behalf of a Second Device	United States of America
8015580	11/479638	6/30/06	9/6/11	Customizing Virtual Channels In A Discovery Interface	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7840979	11/821631	6/25/07	11/23/10	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	United States of America
	PCT/US2008/066546	6/11/08		GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	Patent Cooperation Treaty
	2008800213 20.8	6/11/08		GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	China
2174208	08770702.2	6/11/08	5/23/12	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	European Patent
	8389/DELN P/2009	6/11/08		GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	India
4652485	2010-514944	6/11/08	12/24/10	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	Japan
	2009148314	6/11/08		GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	Russian Federation
2174208	08770702.2	6/11/08	5/23/12	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	France
60 2008 015 891.8	08770702.2	6/11/08	5/23/12	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	Germany (Federal Republic of)
2174208	08770702.2	6/11/08	5/23/12	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	Italy
2174208	08770702.2	6/11/08	5/23/12	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	Netherlands
2174208	08770702.2	6/11/08	5/23/12	GRAPHICAL TILE-BASED EXPANSION CELL GUIDE	United Kingdom
7835505	11/129675	5/13/05	11/16/10	Phone-To-Monitor Connection Device	United States of America
7237253	09/560666	4/27/00	6/26/07	User Interface for Interactive Television Systems	United States of America
7506352	11/083407	3/18/05	3/17/09	User Interface for Interactive Television Systems	United States of America
7523478	11/083413	3/18/05	4/21/09	User Interface for Interactive Television Systems	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7334250	11/171747	6/30/05	2/19/08	User Interface for Interactive Television Systems	United States of America
7305693	11/083722	3/18/05	12/4/07	User Interface for Interactive Television Systems	United States of America
	11/749396	5/16/07		User Interface for Interactive Television Systems	United States of America
7818768	12/402221	3/11/09	10/19/10	User Interface for Interactive Television Systems	United States of America
7809813	10/184438	6/28/02	10/5/10	SYSTEM AND METHOD FOR PROVIDING CONTENT-ORIENTED SERVICES TO CONTENT PROVIDERS AND CONTENT CONSUMERS	United States of America
	03012927.4	6/6/03		System and Method for Providing Content-Oriented Services to Content Providers and Content Consumers	European Patent
	2003-181887	6/25/03		System and Method for Providing Content-Oriented Services to Content Providers and Content Consumers	Japan
7159232	09/441708	11/16/99	1/2/07	Scheduling the Recording of Television Programs	United States of America
	PCT/US00/31438	11/15/00		Scheduling the Recording of Television Programs	Patent Cooperation Treaty
7885517	11/115669	4/27/05	2/8/11	Scheduling the Recording of Television Programs	United States of America
	11/115670	4/27/05		Scheduling the Recording of Television Programs	United States of America
7676138	11/115676	4/27/05	3/9/10	Scheduling the Recording of Television Programs	United States of America
7305692	11/115719	4/27/05	12/4/07	Scheduling the Recording of Television Programs	United States of America
7653761	11/375772	3/15/06	1/26/10	Automatic Delivery Of Personalized Content To A Portable Media Player With Feedback	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	09/432854	11/2/99		Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter	United States of America
	PCT/US00/15690	6/7/00		Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter	Patent Cooperation Treaty
7085814	09/706446	11/2/00	8/1/06	Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter	United States of America
1188291	00942697.4	6/7/00	4/27/05	Data Driven Remote Device Control Model with General Programming	European Patent
1188291	60019750.6	6/7/00	4/27/05	Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter	Germany (Federal Republic of)
1188291	00942697.4	6/7/00	4/27/05	Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter	France
1188291	00942697.4	6/7/00	4/27/05	Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter	United Kingdom
	11/166680	6/23/05		Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter	United States of America
	60/139137	6/11/99		UNIVERSAL PLUG AND PLAY	United States of America
6892230	09/496318	2/1/00	5/10/05	Dynamic Self-Configuration for Ad Hoc Peer Networking Using Mark-Up Language Formatted Description Messages	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7130895	09/811236	3/16/01	10/31/06	XML-Based Language Description for Controlled Devices	United States of America
6910068	09/811362	3/16/01	6/21/05	An XML-Based Template Language for Devices and Services	United States of America
7487230	10/838769	5/3/04	2/3/09	Dynamic Self-Configuration for Ad Hoc Peer Networking	United States of America
7441019	10/981030	11/4/04	10/21/08	XML-Based Template Language for Devices and Services	United States of America
7437434	10/981057	11/4/04	10/14/08	XML-based template language for devices and services	United States of America
7558846	11/071700	3/2/05	7/7/09	Dynamic Self-Configuration for Ad Hoc Peer Networking	United States of America
7602756	11/071435	3/2/05	10/13/09	Dynamic Self-Configuration for Ad Hoc Peer Networking	United States of America
	09/496319	2/1/00		Device Model And Services For Bridging Peer Networking to Host/Peripheral Connectivity	United States of America
6779004	09/495815	2/1/00	8/17/04	Auto-Configuring of Peripheral on Host/Peripheral Computing Platform with Peer Networking-To-Host/Peripheral Adapter for Peer Networking Connectivity	United States of America
6725281	09/432853	11/2/99	4/20/04	Synchronization of Controlled Device State Using State Table and Eventing in Data-Driven Remote Device Control Model	United States of America
7089307	10/794515	3/5/04	8/8/06	Synchronization Of Controlled Device State Using State Table And Eventing In Data-Driven Remote Device Control Model	United States of America
6725281 C1	90/011541	3/7/11	4/20/04	Synchronization of Controlled Device State Using State Table and Eventing in Data-Driven Remote Device Control Model	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	12/485155	6/16/09		Media Asset Recommendation Service	United States of America
	PCT/US2010/038764	6/16/10		Media Asset Recommendation Service	Patent Cooperation Treaty
	201080027479.8	6/16/10		Media Asset Recommendation Service	China
	10790094.6	6/16/10		Media Asset Recommendation Service	European Patent
	9890/DELNP/2011	6/16/10		Media Asset Recommendation Service	India
	2012-516225	6/16/10		Media Asset Recommendation Service	Japan
	10-2011-7030054	6/16/10		Media Asset Recommendation Service	Korea Republic of (KR)
	2011151394	6/16/10		Media Asset Recommendation Service	Russian Federation
7197759	09/854733	5/14/01	3/27/07	Electronic Program Guide Displayed Simultaneously with Television Programming	United States of America
	02009579.0	4/26/02		Electronic Program Guide Displayed Simultaneously with Television Programming	European Patent
	03103315.9	4/26/02		Electronic Program Guide Displayed Simultaneously with Television Programming	Hong Kong
7634791	11/241662	9/30/05	12/15/09	Electronic Program Guide Displayed Simultaneously with Television Programming	United States of America
7451469	11/676162	2/16/07	11/11/08	Electronic Program Guide Displayed Simultaneously with Television Programming	United States of America
7748016	12/268330	11/10/08	6/29/10	Electronic Program Guide Displayed Simultaneously with Television Programming	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	10182212.0	4/26/02		Electronic Program Guide Displayed Simultaneously with Television Programming	European Patent
7076734	09/887609	6/22/01	7/11/06	Systems and Methods for Providing a Dynamically Controllable User Interface that Embraces a Variety of Media	United States of America
7627600	11/425300	6/20/06	12/1/09	Automatic Layout Of Unpredictable Content From Multiple Sources	United States of America
8745664	12/056117	3/26/08	5/14/14	Non-Grid TV Guide	United States of America
	12/058504	3/28/08		MINI EPG INTERFACE FOR ON-DEMAND AND OTHER CONTENT DATA	United States of America
8181217	11/964737	12/27/07	5/15/12	Monitoring Presentation Timestamps	United States of America
	13/421673	3/15/12		Monitoring Presentation Timestamps	United States of America
7543324	10/061829	1/31/02	6/2/09	Pre-Fragmentation of Data Destined for Low Resource Clients	United States of America
7895627	12/207154	9/9/08	2/22/11	Pre-Fragmentation of Data Destined for Low Resource Clients	United States of America
6909384	10/062153	1/31/02	6/21/05	Generating and Searching Compressed Data	United States of America
6937171	11/050128	2/3/05	8/30/05	Generating and Searching Compressed Data	United States of America
7026964	11/082391	3/17/05	4/11/06	Generating and Searching Compressed Data	United States of America
7148823	11/303798	12/16/05	12/12/06	Generating and Searching Compressed Data	United States of America
7151471	11/303797	12/16/05	12/19/06	Generating and Searching Compressed Data	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	11/767333	6/22/07		Dynamic Channel Surfing Guide and Customized Television Home Page	United States of America
6965415	10/039224	1/4/02	11/15/05	EPG Conditioned Letterbox-to-Anamorphic Conversion	United States of America
7554606	10/970902	10/22/04	6/30/09	EPG Conditioned Letterbox-to-Anamorphic Conversion	United States of America
7633553	10/972163	10/22/04	12/15/09	EPG Conditioned Letterbox-to-Anamorphic Conversion	United States of America
6956622	10/185951	6/27/02	10/18/05	Method and Apparatus for Modulating Video Signals	United States of America
7151576	11/140848	5/31/05	12/19/06	Method and Apparatus for Modulating Video Signals	United States of America
7136112	11/140835	5/31/05	11/14/06	Method and Apparatus for Modulating Video Signals	United States of America
6975363	09/652058	8/31/00	12/13/05	Methods and Systems for Independently Controlling the Presentation Speed of Digital Video Frames and Digital Audio Samples	United States of America
7495705	11/248550	10/12/05	2/24/09	Methods and Systems for Independently Controlling the Presentation Speed of Digital Video Frames and Digital Audio Samples	United States of America
7589791	12/355671	1/16/09	9/15/09	Methods and Systems for Independently Controlling the Presentation Speed of Digital Video Frames and Digital Audio Samples	United States of America
7257638	10/029310	12/20/01	8/14/07	Scaling and Delivering Distributed Applications	United States of America
1322084	02026418.0	11/26/02	9/12/12	Scaling and Delivering Distributed Applications	European Patent
4694091	2002-361361	12/12/02	3/4/11	Scaling and Delivering Distributed Applications	Japan
7546375	11/227718	9/15/05	6/9/09	Scaling and Delivering Distributed Applications	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7519723	11/749091	5/15/07	4/14/09	Scaling and Delivering Distributed Applications	United States of America
4309458	2008-010990	12/12/02	5/15/09	Scaling and Delivering Distributed Applications	Japan
1322084	02026418.0	11/26/02	9/12/12	Scaling and Delivering Distributed Applications	France
60243682.6	02026418.0	11/26/02	9/12/12	Scaling and Delivering Distributed Applications	Germany (Federal Republic of)
1322084	02026418.0	11/26/02	9/12/12	Scaling and Delivering Distributed Applications	Italy
1322084	02026418.0	11/26/02	9/12/12	Scaling and Delivering Distributed Applications	United Kingdom
8387093	10/227115	8/23/02	2/26/13	Media Recommendations Based on Negative Feedback	United States of America
8621518	13/755691	1/31/13	12/31/13	Media Recommendations Based on Negative Feedback	United States of America
	11/716958	3/12/07		Content Recommendations	United States of America
	60/273943	3/5/01		Supporting Post-Recordings of Time Shifted Content	United States of America
7260312	09/896902	6/28/01	8/21/07	Method and Apparatus for Storing Content	United States of America
1239673	02004440.0	2/26/02	8/31/11	Method and Apparatus for Storing Content	European Patent
4396878	2002-054623	2/28/02	10/30/09	Method and Apparatus for Storing Content	Japan
HK1049563	03101640.9	2/26/02	11/25/11	Method and Apparatus for Storing Content	Hong Kong
7272300	11/048401	2/1/05	9/18/07	Method and Apparatus for Storing Content	United States of America
7522817	11/048397	2/1/05	4/21/09	Method and Apparatus for Storing Content	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7577336	11/048396	2/1/05	8/18/09	Method and Apparatus for Storing Content	United States of America
1239673	02004440.0	2/26/02	8/31/11	Method and Apparatus for Storing Content	France
60240921.7	02004440.0	2/26/02	8/31/11	Method and Apparatus for Storing Content	Germany (Federal Republic of)
1239673	02004440.0	2/26/02	8/31/11	Method and Apparatus for Storing Content	Italy
1239673	02004440.0	2/26/02	8/31/11	Method and Apparatus for Storing Content	United Kingdom
	11/552467	10/24/06		Recommendations Utilizing Meta-Data Based Pair-Wise Lift Predictions	United States of America
7130846	10/458083	6/10/03	10/31/06	Intelligent Default Selection in an On-Screen Keyboard	United States of America
	2004-173092	6/1/04		Intelligent Default Selection in an On-Screen Keyboard	Japan
ZL200410048934.9	200410048934.9	6/10/04	3/26/08	Intelligent Default Selection in an On-Screen Keyboard	China
	854/DEL/2004	5/11/04		Intelligent Default Selection in an On-Screen Keyboard	India
	PI0401828-1	5/25/04		Intelligent Default Selection in an On-Screen Keyboard	Brazil
254726	PA/a/2004/005466	6/4/04	2/13/08	Intelligent Default Selection in an On-Screen Keyboard	Mexico
8132118	11/537976	10/2/06	3/6/12	Intelligent Default Selection in an On-Screen Keyboard	United States of America
287514	MX/a/2008/002185	4/6/04	6/15/11	Intelligent Default Selection in an On-Screen Keyboard	Mexico
4891444	2011-055641	6/10/04	12/22/11	Intelligent Default Selection in an On-Screen Keyboard	Japan
	11/126926	5/11/05		Methods And Systems For Recommending Media	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7263632	10/651430	8/30/03	8/28/07	Programmatic Computer Problem Diagnosis And Resolution And Automated Reporting And Updating Of The Same	United States of America
	04010605.6	5/4/04		Software diagnostic framework	European Patent
	2004-134538	4/28/04		Software diagnostic framework	Japan
ZL200410043451.X	200410043451.X	4/30/04	8/20/08	Software diagnostic framework	China
10-1021394	10-2004-0031824	5/6/04	3/3/11	Software diagnostic framework	Korea Republic of (KR)
	751/DEL/2004	4/20/04		Software diagnostic framework	India
6460180	09/295746	4/20/99	10/1/02	Enabling and/or Disabling Selected Types of Broadcast Triggers	United States of America
	PCT/US00/10765	4/20/00		Enabling and/or Disabling Selected Types of Broadcast Triggers	Patent Cooperation Treaty
7519845	11/029912	1/5/05	4/14/09	Software-Based Audio Rendering	United States of America
	05113032.6	12/28/05		Software-Based Audio Rendering	European Patent
5147180	2006-000680	1/5/06	12/7/12	Software-Based Audio Rendering	Japan
ZL200610002511.2	200610002511.2	1/5/06	2/23/11	Software-Based Audio Rendering	China
	9/DEL/2006	1/2/06		Software-Based Audio Rendering	India
10-1183337	10-2006-974	1/4/06	9/10/12	Software-Based Audio Rendering	Korea Republic of (KR)
	60/510432	10/10/03		Distributed Sending of Media Data	United States of America
7614071	10/800251	3/12/04	11/3/09	Architecture for Distributed Sending of Media Data	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	2480907	9/8/04		Distributed Sending of Media Data	Canada
ZL200410085600.9	200410085600.9	10/9/04	5/12/10	Distributed Sending of Media Data	China
	04021616.0	9/10/04		Distributed Sending of Media Data	European Patent
	1745/DEL/2004	9/16/04		Distributed Sending of Media Data	India
8037200	12/326818	12/2/08	10/11/11	Media Organization for Distributed Sending of Media Data	United States of America
7443791	10/800287	3/12/04	10/28/08	Priority Mechanism for Distributed Sending of Media Data	United States of America
7545812	10/798993	3/12/04	6/9/09	Scheduling Scheme for Distributed Sending of Media Data	United States of America
7516232	10/800309	3/12/04	4/7/09	Media Organization for Distributed Sending of Media Data	United States of America
7281261	09/896066	6/29/01	10/9/07	Remotely Accessing and Programming a Set Top Box	United States of America
1271952	02014236.0	6/26/02	10/26/11	Remotely Accessing and Programming a Set Top Box	European Patent
	03104516.4	6/26/02		Remotely Accessing and Programming a Set Top Box	Hong Kong
7627889	11/627349	1/25/07	12/1/09	Remotely Accessing and Programming a Set Top Box	United States of America
1271952	02014236.0	6/26/02	10/26/11	Remotely Accessing and Programming a Set Top Box	France
60241391.5	02014236.0	6/26/02	10/26/11	Remotely Accessing and Programming a Set Top Box	Germany (Federal Republic of)
1271952	02014236.0	6/26/02	10/26/11	Remotely Accessing and Programming a Set Top Box	Italy
1271952	02014236.0	6/26/02	10/26/11	Remotely Accessing and Programming a Set Top Box	Netherlands

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
1271952	02014236.0	6/26/02	10/26/11	Remotely Accessing and Programming a Set Top Box	United Kingdom
7836466	10/165727	6/6/02	11/16/10	Methods and Systems for Generating Electronic Program Guides	United States of America
7885971	12/036988	2/25/08	2/8/11	Methods and Systems for Generating Electronic Program Guides	United States of America
	11/781070	7/20/07		Methods and Systems for Generating Electronic Program Guides	United States of America
7788498	11/187090	7/22/05	8/31/10	Triple-Tap Password Entry	United States of America
6906755	10/039221	1/4/02	6/14/05	Method and Apparatus For Synchronizing Audio and Video Data	United States of America
7268826	10/978874	11/1/04	9/11/07	Method and Apparatus For Synchronizing Audio and Video Data	United States of America
7460173	11/171864	6/30/05	12/2/08	Method and Apparatus For Synchronizing Audio and Video Data	United States of America
7996459	11/469425	8/31/06	8/9/11	Video-Switched Delivery Of Media Content Using An Established Media-Delivery Infrastructure	United States of America
7394967	10/186215	6/27/02	7/1/08	Recorded Content Management	United States of America
8699861	12/139293	6/13/08	3/26/14	Recorded Content Management	United States of America
6636269	09/377300	8/18/99	10/21/03	Video Timing System And Method	United States of America
8340645	12/343747	12/24/08	12/25/12	User-Controlled Routing of Phone Calls to Voicemail	United States of America
6237022	09/268239	3/15/99	5/22/01	System and Method for Distributing Preferred Data Over a Communications Network	United States of America
	PCT/US00/06325	3/14/00		System And Method for Distributing Preferred Data Over A Communications Network	Patent Cooperation Treaty

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	00913882.7	3/14/00		System And Method for Distributing Preferred Data Over A Communications Network	European Patent
7088774	10/158536	5/29/02	8/8/06	Media Stream Synchronization	United States of America
6313851	08/917857	8/27/97	11/6/01	User Friendly Remote System Interface	United States of America
6344865	09/422652	10/22/99	2/5/02	User Friendly Remote System Interface with Menu Scrolling	United States of America
6898765	09/422654	10/22/99	5/24/05	User Friendly Remote System Interface with Menu Highlighting	United States of America
6469721	09/422653	10/22/99	10/22/02	User Friendly Remote System Interface with Menu Sizing	United States of America
6724405	09/954167	9/18/01	4/20/04	User Friendly Remote System Interface	United States of America
7562309	10/825299	4/16/04	7/14/09	User Friendly Remote System Interface	United States of America
6266059	08/917826	8/27/97	7/24/01	User Interface for Switching Between Application Modes	United States of America
7023973	10/425066	4/28/03	4/4/06	Dual Band Modem and Service	United States of America
6931657	09/557047	4/21/00	8/16/05	Methods and Arrangements for Providing a Novel Television and Multimedia Viewing Paradigm	United States of America
	PCT/US01/40229	3/2/01		Methods and Arrangements for Providing a Novel Television and Multimedia Viewing Paradigm	Patent Cooperation Treaty
7093273	11/109416	4/19/05	8/15/06	Methods and Arrangements for Providing a Novel Television and Multimedia Viewing Paradigm	United States of America
7475417	11/109417	4/19/05	1/6/09	Methods and Arrangements For Providing A Novel Television and Multimedia Viewing Paradigm	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
6928652	09/087354	5/29/98	8/9/05	Method and Apparatus for Displaying HTML and Video Simultaneously	United States of America
	10/918864	8/16/04		Method and Apparatus for Displaying HTML and Video Simultaneously	United States of America
6742182	09/490427	1/24/00	5/25/04	Descrambling A Scrambled Television Signal Using A Cable Box For Authentication	United States of America
6708335	09/376631	8/18/99	3/16/04	Tracking Viewing Behavior of Advertisements on a Home Entertainment System	United States of America
6415438	09/412839	10/5/99	7/2/02	Trigger Having a Time Attribute	United States of America
	PCT/US00/27417	10/4/00		Trigger Having a Time Attribute	Patent Cooperation Treaty
6668378	09/345247	6/30/99	12/23/03	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	United States of America
	PCT/US00/17588	6/27/00		Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	Patent Cooperation Treaty
1194861	00944895.2	6/27/00	8/17/11	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	European Patent
1194861	00944895.2	6/27/00	8/17/11	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	France
60046341.9	00944895.2	6/27/00	8/17/11	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	Germany (Federal Republic of)
1194861	00944895.2	6/27/00	8/17/11	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	Italy
1194861	00944895.2	6/27/00	8/17/11	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	Netherlands

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
1194861	00944895.2	6/27/00	8/17/11	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	Spain
1194861	00944895.2	6/27/00	8/17/11	Interactive Television Triggers Having Connected Content/Disconnected Content Attribute	United Kingdom
6772438	09/608339	6/29/00	8/3/04	Method and Apparatus for Retrieving Data from a Broadcast Signal	United States of America
7587748	10/869483	6/16/04	9/8/09	Method and Apparatus for Retrieving Data from a Broadcast Signal	United States of America
7516466	10/997429	11/24/04	4/7/09	Method and Apparatus for Retrieving Data from a Broadcast Signal	United States of America
	08/241743	5/12/94		Television Scheduling System for Displaying a Grid Representing Scheduled Layout and Selecting a Programming Parameter for Display or Recording	United States of America
5731844	08/713588	8/13/96	3/24/98	Television Scheduling System for Displaying a Grid Representing Scheduled Layout and Selecting a Programming Parameter for Display or Recording	United States of America
0682452	95107039.0	5/10/95	5/14/08	Television Scheduling System for Displaying a Grid Representing Scheduled Layout and Selecting a Programming Parameter for Display or Recording	European Patent
3588159	1995/113004	5/11/95	8/20/04	Method and System for Providing Efficient Selection of Television Programs	Japan
348915	1995/0011692	5/9/95	8/2/02	Method and System for Providing Efficient Selection of Television Programs	Korea Republic of (KR)

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
0682452	95107039.0	5/10/95	1/3/01	Television Scheduling System for Displaying a Grid Representing Scheduled Layout and Selecting a Programming Parameter for Display or Recording	Germany (Federal Republic of)
0682452	95107039.0	5/10/95	1/3/01	Television Scheduling System for Displaying a Grid Representing Scheduled Layout and Selecting a Programming Parameter for Display or Recording	France
0682452	95107039.0	5/10/95	1/3/01	Television Scheduling System for Displaying a Grid Representing Scheduled Layout and Selecting a Programming Parameter for Display or Recording	United Kingdom
5585838	08/435968	5/5/95	12/17/96	Program Time Guide	United States of America
6897904	10/039225	1/4/02	5/24/05	Method and Apparatus for Selecting Among Multiple Tuners	United States of America
7277137	10/997423	11/24/04	10/2/07	Method and Apparatus for Selecting Among Multiple Tuners	United States of America
7701516	11/171875	6/30/05	4/20/10	Method and Apparatus for Selecting Among Multiple Tuners	United States of America
	12/760178	4/14/10		Method and Apparatus for Selecting Among Multiple Tuners	United States of America
	13/612398	9/12/12		METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS	United States of America
8001567	10/137178	5/2/02	8/16/11	Media Planner	United States of America
8219927	12/349388	1/6/09	7/10/12	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID	United States of America
	PCT/US2009/066611	12/3/09		Revealing of Truncated Content on Scrollable Grid	Patent Cooperation Treaty

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	2009801543 58.7	12/3/09		Revealing of Truncated Content on Scrollable Grid	China
	09837800.3	12/3/09		Revealing of Truncated Content on Scrollable Grid	European Patent
	4752/CHEN P/2011	12/3/09		Revealing of Truncated Content on Scrollable Grid	India
	2011- 545353	12/3/09		Revealing of Truncated Content on Scrollable Grid	Japan
	10-2011- 7015182	12/3/09		Revealing of Truncated Content on Scrollable Grid	Korea Republic of (KR)
	2011127546	12/3/09		Revealing of Truncated Content on Scrollable Grid	Russian Federation
	08/641517	5/1/96		Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	United States of America
	08/848895	5/1/97		Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	United States of America
	PCT/US97/1 8372	10/1/97		Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	Patent Cooperation Treaty
	48995/97	10/1/97		Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	Australia
2259225	2259225	10/1/97	6/21/05	Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	Canada
	10/548026	10/1/97		Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	Japan
	08/900417	7/25/97		Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
8046800	09/993780	11/16/01	10/25/11	Remotely Controlling a Video Recorder	United States of America
6973669	09/992190	11/16/01	12/6/05	Pausing Television Programming in Response to Selection of Hypertext Link	United States of America
	09/993814	11/16/01		Initiating Record From An Electronic Programming Schedule	United States of America
	08/038240	03/29/93		Time Shifting Event Recorder	United States of America
	08/306642	09/15/94		Recording System For Displaying An Event In A Time Shifted Manner	United States of America
	09/952582	09/12/01		Pausing the Display of a Television Program as a Signal Including the Television Program is Received	United States of America
	11/097807	03/31/05		Pausing the Display of a Television Program as a Signal Including the Television Program is Received	United States of America
2003204693	2003204693	10/1/97	12/14/06	Method and Apparatus For Pausing the Display of a Received Time Sequential Signal	Australia
7437751	11/250807	10/14/05	10/14/08	Pausing Television Programming in Response to Selection of Hypertext Link	United States of America
8286215	12/246161	10/6/08	10/9/12	Pausing Television Programming in Response to Selection of Network Address	United States of America
7664109	10/934823	9/3/04	2/16/10	A System And Method For Distributed Streaming Of Scalable Media	United States of America
7174385	10/951482	9/28/04	2/6/07	A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	United States of America
	10/951481	9/28/04		A System And Method For Erasure Coding Of Streaming Media	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
1633111	05107871.5	8/29/05	6/2/10	A System And Method For Distributed Streaming Of Scalable Media	European Patent
1643716	05107969.7	8/31/05	3/20/13	A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	France
1643716	05107969.7	8/31/05	3/20/13	A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	United Kingdom
602005038 641.6	05107969.7	8/31/05	3/20/13	A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	Germany (Federal Republic of)
4676833	2005-218916	7/28/05	2/4/11	A System And Method For Distributed Streaming Of Scalable Media	Japan
ZL200510 091911.0	2005100919 11.0	8/3/05	12/23/09	A System And Method For Distributed Streaming Of Scalable Media	China
	1961/DEL/2 005	7/25/05		A System And Method For Distributed Streaming Of Scalable Media	India
10-1159332	10-2005-73315	8/10/05	6/18/12	A System And Method For Distributed Streaming Of Scalable Media	Korea Republic of (KR)
	05107969.7	8/31/05		A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	European Patent
4920220	2005-251994	8/31/05	2/10/12	A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	Japan
ZL200510 099119.X	2005100991 19.X	8/31/05	12/22/10	A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	China
	1958/DEL/2 005	7/25/05		A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	India
10-1183430	10-2005-71698	8/5/05	9/10/12	A System And Method For Receiver Driven Streaming In A Peer-To-Peer Network	Korea Republic of (KR)

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
1633112	05107971.3	8/31/05	9/17/08	A System And Method For Erasure Coding Of Streaming Media	European Patent
5058468	2005-251995	8/31/05	8/10/12	A System And Method For Erasure Coding Of Streaming Media	Japan
ZL200510099125.5	200510099125.5	8/31/05	1/27/10	A System And Method For Erasure Coding Of Streaming Media	China
	1957/DEL/2005	7/25/05		A System And Method For Erasure Coding Of Streaming Media	India
10-1176648	10-2005-71753	8/5/05	8/17/12	A System And Method For Erasure Coding Of Streaming Media	Korea Republic of (KR)
7752327	11/671434	2/5/07	7/6/10	RECEIVER DRIVEN STREAMING IN A PEER-TO-PEER NETWORK	United States of America
7539767	11/671435	2/5/07	5/26/09	COORDINATION OF CLIENT-DRIVEN MEDIA STREAMING FROM A CLUSTER OF NON-COOPERATING PEERS IN A PEER-TO-PEER NETWORK	United States of America
1633112	05107971.3	8/31/05	9/17/08	A System And Method For Erasure Coding Of Streaming Media	France
602005009774.0	05107971.3	8/31/05	9/17/08	A System And Method For Erasure Coding Of Streaming Media	Germany (Federal Republic of)
1633112	05107971.3	8/31/05	9/17/08	A System And Method For Erasure Coding Of Streaming Media	Italy
1633112	05107971.3	8/31/05	9/17/08	A System And Method For Erasure Coding Of Streaming Media	United Kingdom
1633111	05107871.5	8/29/05	6/2/10	A System And Method For Distributed Streaming Of Scalable Media	France
1633111	05107871.5	8/29/05	6/2/10	A System And Method For Distributed Streaming Of Scalable Media	Germany (Federal Republic of)
1633111	05107871.5	8/29/05	6/2/10	A System And Method For Distributed Streaming Of Scalable Media	Italy
1633111	05107871.5	8/29/05	6/2/10	A System And Method For Distributed Streaming Of Scalable Media	United Kingdom

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
6025837	08/623611	3/29/96	2/15/00	Electronic Program Guide with Hyperlinks to Target Resources	United States of America
6631523	09/184840	11/2/98	10/7/03	Electronic Program Guide with Hyperlinks to Target Resources	United States of America
7665109	10/620254	7/15/03	2/16/10	Electronic Program Guide with Hyperlinks to Target Resources	United States of America
6240555	08/623610	3/29/96	5/29/01	Interactive Entertainment System for Presenting Supplemental Interactive Content Together With Continuous Video Programs	United States of America
	09/349638	7/8/99		Interactive Entertainment System for Presenting Supplemental Interactive Content Together with Continuous Video Programs	United States of America
	09/736532	12/11/00		Interactive Entertainment System for Presenting Supplemental Interactive Content Together with Continuous Video Programs	United States of America
7757254	10/832763	7/21/04	7/13/10	Interactive Entertainment System for Presenting Supplemental Interactive Content Together with Continuous Video Programs	United States of America
8108899	10/832765	4/26/04	1/31/12	Interactive Entertainment System for Presenting Supplemental Interactive Content Together with Continuous Video Programs	United States of America
7020195	09/458300	12/10/99	3/28/06	Layered Coding and Decoding of Image Data	United States of America
	PCT/US00/31437	11/15/00		Layered Coding and Decoding of Image Data	Patent Cooperation Treaty
6034689	08/660088	6/3/96	3/7/00	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	United States of America
6005563	08/755237	11/22/96	12/21/99	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
6008836	08/755233	11/22/96	12/28/99	Method and Apparatus for Adjusting Television Display Controls Using a Web Browser	United States of America
5945991	08/845511	4/24/97	8/31/99	Method and Apparatus for Centering an Image on a Display Monitor (CIP)	United States of America
0811940	97302876.4	4/29/97	7/26/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	European Patent
	PCT/US97/08717	5/20/97		Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Patent Cooperation Treaty
	1997/141996	5/30/97		Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Japan
274135	97/22800	6/3/97	9/7/00	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Korea Republic of (KR)
	97306925.5	9/5/97		Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	European Patent
	1997/318035	11/19/97		Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Japan
550935	10-1997-0059445	11/12/97	2/3/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Korea Republic of (KR)
	PCT/US97/21171	11/19/97		Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Patent Cooperation Treaty
0844788	97306924.8	9/5/97	1/9/08	Method and Apparatus for Adjusting Television Display Controls Using a Web Browser	European Patent
4302196	1997/323065	11/25/97	5/1/09	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Japan

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	97/59596	11/13/97		Method and Apparatus For Adjusting Television Display Controls Using A Web Browser	Korea Republic of (KR)
	PCT/US97/21125	11/19/97		Method and Apparatus for Adjusting Television Display Controls Using a Web Browser	Patent Cooperation Treaty
6133913	09/280606	3/29/99	10/17/00	Methods of Scaling and Displaying Server-Provided Image	United States of America
6496205	09/467681	12/21/99	12/17/02	User interface for controlling audio functions in a web browser	United States of America
	09/669345	9/26/00		Displaying Scaled-Down Versions of Documents on Favorites and Recent Menu	United States of America
6891553	09/867366	5/29/01	5/10/05	Resizing Internet Document For Display on Television Screen	United States of America
7350155	11/053003	2/7/05	3/25/08	Resizing Internet Document For Display on Television Screen	United States of America
1693769	06010965.9	4/29/97	3/21/12	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	European Patent
0811940	97302876.4	4/29/97	7/26/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Belgium
0811940	97302876.4	4/29/97	7/26/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	France
0811940	69736373.2-08	4/29/97	7/26/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Germany (Federal Republic of)
0811940	97302876.4	4/29/97	7/26/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Italy
0811940	97302876.4	4/29/97	7/26/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Netherlands

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
0811940	97302876.4	4/29/97	7/26/06	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	United Kingdom
0844788	97306924.8	9/5/97	1/9/08	Method and Apparatus for Adjusting Television Display Controls Using a Web Browser	France
69738443.8	97306924.8	9/5/97	1/9/08	Method and Apparatus for Adjusting Television Display Controls Using a Web Browser	Germany (Federal Republic of)
0844788	97306924.8	9/5/97	1/9/08	Method and Apparatus for Adjusting Television Display Controls Using a Web Browser	Italy
0844788	97306924.8	9/5/97	1/9/08	Method and Apparatus for Adjusting Television Display Controls Using a Web Browser	United Kingdom
4388982	2008-002073	5/30/97	10/9/09	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Japan
8234592	12/033790	2/19/08	7/31/12	Displaying Scaled-Down Versions of Documents on Favorites and Recent Menu	United States of America
7716598	12/060750	4/1/08	5/11/10	Resizing Internet Document For Display on Television Screen	United States of America
4637946	2008-297783	11/25/97	12/3/10	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Japan
1693769	06010965.9	4/29/97	3/21/12	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	France
1693769	06010965.9	4/29/97	3/21/12	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Germany (Federal Republic of)
1693769	06010965.9	4/29/97	3/21/12	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Italy

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
1693769	06010965.9	4/29/97	3/21/12	Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	United Kingdom
5896444	08/660087	6/3/96	4/20/99	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	United States of America
0812096	97303036.4	5/28/97	3/15/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	European Patent
	PCT/US97/09556	5/28/97		Method and Apparatus for Managing Communications Between a Client and a Server in a Network	Patent Cooperation Treaty
3858346	1997/142024	5/30/97	9/29/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	Japan
274739	97/22801	6/3/97	9/15/00	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	Korea Republic of (KR)
6308221	09/107063	6/30/98	10/23/01	Selecting Communication Link Between Client and Server	United States of America
6278773	09/107717	6/30/98	8/21/01	Determining and Disclosing the Identity of Telephone Caller	United States of America
6614890	09/107358	6/30/98	9/2/03	DISCLOSING THE RECEIPT OF NEW ELECTRONIC MESSAGE	United States of America
6584506	09/392001	9/8/99	6/24/03	SELECTING COMMUNICATION LINK BETWEEN CLIENT AND SERVER	United States of America
6587886	09/978617	10/16/01	7/1/03	Selecting Communication Link Between Client and Server	United States of America
	06001169.9	5/2/97		Method and Apparatus for Managing Communications Between a Client and a Server in a Network	European Patent
	06001170.7	5/2/97		Method and Apparatus for Managing Communications Between a Client and a Server in a Network	European Patent

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	06001171.5	5/2/97		Method and Apparatus for Managing Communications Between a Client and a Server in a Network	European Patent
0812096	97303036.4	5/2/97	3/15/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	Italy
69735463.6	97303036.4	5/2/97	3/15/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	Germany (Federal Republic of)
0812096	97303036.4	5/2/97	3/15/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	France
0812096	97303036.4	5/2/97	3/15/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	United Kingdom
0812096	97303036.4	5/2/97	3/15/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	Netherlands
0812096	97303036.4	5/2/97	3/15/06	Method and Apparatus for Managing Communications Between a Client and a Server in a Network	Belgium
	90/011537	3/7/11		Method and Apparatus for Managing Communications Between a Client and a Server in a Network	United States of America
5918013	08/656924	6/3/96	6/29/99	Method of Transcoding Documents in a Network Environment Using a Proxy Server	United States of America
6073168	08/785855	1/20/97	6/6/00	A Method For Reducing Delivery Latency Of An Image Or Other Secondary Information Associated With A File (As Amended)	United States of America
5940074	08/755238	11/22/96	8/17/99	Remote Upgrade of Software Over a Network	United States of America
5996022	08/834991	4/7/97	11/30/99	Transcoding Audio Data	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
5935207	08/827643	4/9/97	8/10/99	Method and Apparatus for Providing Remote Site Administrator s with user hits on mirrored sites	United States of America
10-2000-0274738	10-1997-0020792	5/27/97	9/15/00	Method and Apparatus for Providing Proxying and Transcoding of Documents in a Distributed Network	Korea Republic of (KR)
	PCT/US97/09557	5/28/97		Method and Apparatus for Providing Proxying and Transcoding of Documents in a Distributed Network	Patent Cooperation Treaty
4584365	1997/141868	5/30/97	9/10/00	Method and Apparatus for Providing Proxying and Transcoding of Documents in a Distributed Network	Japan
0811939	97302827.7	4/24/97	8/31/05	Method and Apparatus for Providing Proxying and Transcoding of Documents in a Distributed Network	European Patent
	97306922.2	9/5/97		Remote Upgrade of Software Over a Network	European Patent
4079288	1997/323028	11/25/97	2/15/08	Remote Upgrade of Software Over a Network	Japan
547649	97/06360	11/17/97	1/23/06	Remote Upgrade of Software Over a Network	Korea Republic of (KR)
	PCT/US97/21023	11/18/97		Remote Upgrade of Software Over a Network	Patent Cooperation Treaty
6141693	09/107335	6/30/98	10/31/00	Method and Apparatus for Extracting Digital Data from a Video Stream and Using the Digital Data to Configure the Video Stream for Display on a Television Set	United States of America
	PCT/US98/07120	4/9/98		Method and Apparatus for Providing Remote Site Administrator s with User Hits on Mirrored Sites	Patent Cooperation Treaty
6311197	09/095457	6/10/98	10/30/01	An Improved Method for Downloading a Web Page to a Client for Efficient Display on a Television Screen	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
6023268	09/106937	6/30/98	2/8/00	Reducing Latency While Downloading Data over a Network	United States of America
6230319	09/107066	6/30/98	5/8/01	Managing Interruption While Downloading Data over a Network	United States of America
6330606	09/280920	3/29/99	12/11/01	Method and Apparatus for Dispatching Document Requests in a Proxy	United States of America
6332157	09/343068	6/29/99	12/18/01	Method of Accessing Multiple Services From Multiple Service Providers	United States of America
	09/343067	6/29/99		Method of Transcoding Documents in a Network Environment Using a Proxy Server	United States of America
6311207	09/342861	6/29/99	10/30/01	Method of Using Electronic Tickets Containing Privileges for Improved Security	United States of America
6259442	09/437887	11/9/99	7/10/01	Downloading Software from a Server to a Client	United States of America
	98915428.1	4/9/98		Method and Apparatus for Providing Remote Site Administrator s with User Hits on Mirrored Sites	European Patent
4364947	1998/543126	4/9/98	8/28/09	Method and Apparatus for Providing Remote Site Administrator s with User Hits on Mirrored Sites	Japan
6308222	09/452293	11/30/99	10/23/01	Transcoding of Audio Data	United States of America
6473099	09/703172	10/30/00	10/29/02	Automatically Upgrading Software Over a Satellite Link	United States of America
7523399	09/851402	5/8/01	4/21/09	Downloading Software from a Server to a Client	United States of America
6496868	09/953849	9/17/01	12/17/02	Transcoding Audio Data by a Proxy Computer on Behalf of a Client Computer	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
6505232	10/035386	10/23/01	1/7/03	Method of Using Electronic Tickets Containing Privileges for Improved Security	United States of America
6957260	10/037869	10/23/01	10/18/05	A Method for Downloading a Web Page to a Client for Efficient Display on a Television Screen	United States of America
6647421	10/016412	12/10/01	11/11/03	Method and Apparatus for Dispatching Document Requests in a Proxy	United States of America
6662218	10/247885	9/20/02	12/9/03	Method of Transcoding Documents in a Network Environment Using a Proxy Server	United States of America
7305472	11/061957	2/18/05	12/4/07	A Method for Downloading a Web Page to a Client for Efficient Display on a Television Screen	United States of America
0811939	97302827.7	4/24/97	8/31/05	Method and Apparatus for Providing Proxying and Transcoding of Documents in a Distributed Network	Germany (Federal Republic of)
0811939	97302827.7	4/24/97	8/31/05	Method and Apparatus for Providing Proxying and Transcoding of Documents in a Distributed Network	France
0811939	97302827.7	4/24/97	8/31/05	Method and Apparatus for Providing Proxying and Transcoding of Documents in a Distributed Network	United Kingdom
	2007-292157	11/25/97		Web Browser Allowing Navigation Between Hypertext Objects Using Remote Control	Japan
	08011589.2	9/5/97		Remote Upgrade of Software Over a Network	European Patent
5974461	08/900394	7/21/97	10/26/99	Method for automatically regenerating information at a client system in the event of power or communication disruption between the client system and the server	United States of America
	PCT/US98/09362	6/1/98		Automatic Regeneration of User Data From a Network	Patent Cooperation Treaty

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
0996892B	98924750.7	6/1/98	10/5/11	Automatic Regeneration of User Data From a Network	European Patent
0996892B	98924750.7	6/1/98	10/5/11	Automatic Regeneration of User Data From a Network	France
0996892B	98924750.7	6/1/98	10/5/11	Automatic Regeneration of User Data From a Network	Germany (Federal Republic of)
0996892B	98924750.7	6/1/98	10/5/11	Automatic Regeneration of User Data From a Network	Italy
0996892B	98924750.7	6/1/98	10/5/11	Automatic Regeneration of User Data From a Network	United Kingdom
5941947	08/516573	8/18/95	8/24/99	System and Method for Controlling Access to Data Entities in a Computer Network	United States of America
5805763	08/435820	5/5/95	9/8/98	System and Method for Automatically Recording Programs in an Interactive Viewing System	United States of America
6804825	09/201495	11/30/98	10/12/04	Video on Demand Methods and Systems	United States of America
	PCT/US99/28277	11/30/99		Video on Demand Methods and Systems	Patent Cooperation Treaty
7383564	09/870267	5/29/01	6/3/08	Video On Demand Methods and Systems	United States of America
	09/870266	5/29/01		Video on Demand Methods and Systems	United States of America
1147659	99961867.1	11/30/99	5/21/03	Video on Demand Methods and Systems	European Patent
4519322	2000/586090	11/30/99	5/28/10	Video on Demand Methods and Systems	Japan
1147659	99/961867.1	11/30/99	5/21/03	Video on Demand Methods and Systems	United Kingdom
1147659	99/961867.1	11/30/99	5/21/03	Video on Demand Methods and Systems	France

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
69908188.2	99961867.1	11/30/99	5/21/03	Video on Demand Methods and Systems	Germany (Federal Republic of)
1147659	99/961867.1	11/30/99	5/21/03	Video on Demand Methods and Systems	Portugal
1147659	99/961867.1	11/30/99	5/21/03	Video on Demand Methods and Systems	Sweden
7363646	10/941168	9/14/04	4/22/08	Video on Demand Methods and Systems	United States of America
7386874	10/930134	8/30/04	6/10/08	Video on Demand Methods and Systems	United States of America
	10/952004	9/27/04		Video on Demand Methods and Systems	United States of America
7913283	10/951472	9/27/04	3/22/11	Video on Demand Methods and Systems	United States of America
7493647	11/210444	8/23/05	2/17/09	Video On Demand	United States of America
7793325	12/040655	2/29/08	9/7/10	Video on Demand Methods and Systems	United States of America
	12/105166	4/17/08		Video on Demand Methods and Systems	United States of America
	12/101793	4/11/08		Video on Demand Methods and Systems	United States of America
	2009-266136	11/30/99		Video on Demand Methods and Systems	Japan
7430222	10/789128	2/27/04	9/30/08	Media Stream Splicer	United States of America
8514891	12/210590	9/15/08	8/20/13	MEDIA STREAM SPLICER	United States of America
8234668	12/343235	12/23/08	7/31/12	CONTENT ACCESS	United States of America
	13/477511	5/22/12		Content Access	United States of America

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
7433714	10/611364	6/30/03	10/7/08	Alert Mechanism Interface	United States of America
7801888	11/716236	3/9/07	9/21/10	Media Content Search Results Ranked by Popularity	United States of America
	PCT/US2008/055460	2/29/08		MEDIA CONTENT SEARCH RESULTS RANKED BY POPULARITY	Patent Cooperation Treaty
	08731092.6	2/29/08		MEDIA CONTENT SEARCH RESULTS RANKED BY POPULARITY	European Patent
8478750	12/846442	7/29/10	7/2/13	Media Content Search Results Ranked by Popularity	United States of America
	13/915411	06/11/13		Media Content Search Results Ranked by Popularity	United States of America
8307403	11/292868	12/2/05	11/6/12	Triggerless Interactive Television	United States of America
	PCT/US2006/042887	11/2/06		Triggerless Interactive Television	Patent Cooperation Treaty
	PI0619039-1	11/2/06		Triggerless Interactive Television	Brazil
ZL200680045285.4	200680045285.4	11/2/06	8/3/11	Triggerless Interactive Television	China
	06836847.1	11/2/06		Triggerless Interactive Television	European Patent
	2619/CHEN P/2008	11/2/06		Triggerless Interactive Television	India
	2008-543293	11/2/06		Triggerless Interactive Television	Japan
	10-2008-7013209	11/2/06		Triggerless Interactive Television	Korea Republic of (KR)
	MX/a/2008/007015	11/2/06		Triggerless Interactive Television	Mexico

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	11/668784	1/30/07		TRANSACTION FEEDBACK MECHANISMS	United States of America
	11/771219	6/29/07		Automatic Video Recommendation	United States of America
	PCT/US2008/068441	6/26/08		Automatic Video Recommendation	Patent Cooperation Treaty
	12/277797	11/25/08		Reducing Unicast Session Duration with Restart TV	United States of America
	12/396341	3/2/09		Application Tune Manifests and Tune State Recovery	United States of America
	12/469480	5/20/09		Display Size of Representations of Content	United States of America
	61/107921	10/23/08		Contextual Search	United States of America
	12/433605	4/30/09		Contextual Search by a Mobile Communications Device	United States of America
	PCT/US2009/061735	10/22/09		Contextual Search by a Mobile Communications Device	Patent Cooperation Treaty
	200980142644.1	10/22/09		Contextual Search by a Mobile Communications Device	China
	09822736.6	10/22/09		Contextual Search by a Mobile Communications Device	European Patent
	2011-533353	10/22/09		Contextual Search by a Mobile Communications Device	Japan
	10-2011-7009038	10/22/09		Contextual Search by a Mobile Communications Device	Korea Republic of (KR)
	61/107945	10/23/08		Mobile Device	United States of America
	12/433667	4/30/09		Location-based Display Characteristics in a User Interface	United States of America
	PCT/US2009/061382	10/20/09		Location-based Display Characteristics in a User Interface	Patent Cooperation Treaty

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	98135993	10/23/09		Location-based Display Characteristics in a User Interface	Taiwan
	2009801426 61.5	10/20/09		Location-based Display Characteristics in a User Interface	China
	09822596.4	10/20/09		Location-based Display Characteristics in a User Interface	European Patent
	2011- 533280	10/20/09		Location-based Display Characteristics in a User Interface	Japan
	10-2011- 7009149	10/20/09		Location-based Display Characteristics in a User Interface	Korea Republic of (KR)
	14/098249	12/5/13		Location-based Display Characteristics in a User Interface	United States of America
	2014- 087902	10/22/09		Contextual Search	Japan
	12/755791	4/7/10		RECOMMENDATION RANKING SYSTEM WITH DISTRUST	United States of America
	12/719813	3/8/10		Emulated Television Tuner	United States of America
	12/886141	9/20/10		Automatic Customized Advertisement Generation System	United States of America
	PCT/US201 1/048706	8/22/11		Automatic Customized Advertisement Generation System	Patent Cooperation Treaty
	2011102913 00.6	9/19/11		Automatic Customized Advertisement Generation System	China
	13/229482	9/9/11		ADAPTIVE RECOMMENDATION SYSTEM	United States of America
	PCT/US201 2/053480	8/31/12		ADAPTIVE RECOMMENDATION SYSTEM	Patent Cooperation Treaty
	2012103307 62.9	9/7/12		ADAPTIVE RECOMMENDATION SYSTEM	China
	13105821.9	9/7/12		ADAPTIVE RECOMMENDATION SYSTEM	Hong Kong

Patent No.	Serial No.	Filing Date	Issue Date	Title	Country
	12830453.2	8/31/12		ADAPTIVE RECOMMENDATION SYSTEM	European Patent
	13/400581	2/21/12		RECOMMENDER SYSTEM	United States of America
	1005458.3	3/31/10		Media Appliance	United Kingdom
	12/843293	7/26/10		Media Appliance	United States of America
	PCT/EP2011/054881	3/30/11		Media Appliance	Patent Cooperation Treaty
	201180018068.7	3/30/11		Media Appliance	China
	11712236.6	3/30/11		Media Appliance	European Patent
	13/648289	10/10/12		TELEVISION AUTO-TUNE BASED ON HABITUAL VIEWING BEHAVIORS	United States of America
	PCT/US2013/063764	10/8/13		TELEVISION AUTO-TUNE BASED ON HABITUAL VIEWING BEHAVIORS	Patent Cooperation Treaty
	13/712505	12/12/12		EMBEDDED CONTENT PRESENTATION	United States of America
	PCT/US2013/074475	12/11/13		EMBEDDED CONTENT PRESENTATION	Patent Cooperation Treaty
	14/057764	10/18/13		Pluggable Interactive Television	United States of America
	12/202562	9/2/08		Pluggable Interactive Television	United States of America
	14/149867	1/8/14		Recommendation System with Metric Transformation	United States of America

