

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5593250

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
CISCO TECHNOLOGY, INC.		11/20/2015
RECEIVING PARTY DATA		
Name:	TECH 5	
Street Address:	1-5 RUE JEANNE D'ARC	
City:	ISSY-LES-MOULINEAUX	
State/Country:	FRANCE	
Postal Code:	92130	
PROPERTY NUMBERS Total: 17		
Property Type	Number	
Application Number:	11931701	
Application Number:	10907247	
Application Number:	12925973	
Application Number:	11427720	
Application Number:	11781412	
Application Number:	11829309	
Application Number:	10761652	
Application Number:	10789337	
Application Number:	12179752	
Application Number:	12403704	
Application Number:	09564262	
Application Number:	09693790	
Application Number:	09729523	
Application Number:	11427959	
Application Number:	10920841	
Application Number:	11164110	
Application Number:	11164147	
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>		
PATENT		

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 609 436 9850
Email: PatentOPs.US@interdigital.com
Correspondent Name: PATRICIA A. VERLANGIERI
Address Line 1: 4 RESEARCH WAY, 3RD FLLOOR
Address Line 4: PRINCETON, NEW JERSEY 08540

ATTORNEY DOCKET NUMBER:	CE BATCH 12 - 1
NAME OF SUBMITTER:	PATRICIA A. VERLANGIERI
SIGNATURE:	/Patricia A. Verlangieri, Reg.No. 42201/
DATE SIGNED:	06/26/2019

Total Attachments: 140

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PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT (this "*Agreement*"), is made and entered into by and between Cisco Technology, Inc., a California corporation ("*Seller*") and Tech 5 SAS a French Societe par Actions Simplifiee ("*Buyer*"), effective as of November 20, 2015.

WHEREAS, Seller and Technicolor SA, an affiliate of Buyer incorporated under the laws of France, have entered into that certain Purchase Agreement effective as of November 20, 2015 (the "*Purchase Agreement or PA*"), pursuant to which, among other things, Technicolor SA agreed to purchase or otherwise acquire from Seller the Acquired Assets (each as defined in the Purchase Agreement); and

WHEREAS, as a condition and an inducement to Buyer and Seller to enter into such Purchase Agreement, Seller agreed to transfer to *Buyer* all of Seller's right, title, and interest in and to each of the patents, patent applications (including provisional applications), utility models, design patents, design registrations, certificates of invention and other governmental grants for the protection of inventions or industrial designs anywhere in the world and all reissues, renewals, re-examinations, continuations, continuations-in-part, divisionals, substitutions and extensions of any of the foregoing ("*Patent Assets*") listed in Schedule A attached hereto and all other Patent Assets that are determined within one year of Closing to include one or more claims of priority to the Patent Assets listed in Schedule A pursuant to 35 U.S.C. §§ 120 or 119(e) (or the equivalent laws or regulations of any other patent authority), including foreign counterparts, reissues, divisionals, renewals, extensions or continuations (but not continuations in part) with respect to any other Patent Asset in Schedule A (collectively with the Patent Assets listed on Schedule A, the "*Patents*"), on the terms and conditions set forth in the separate Intellectual Property Assignment and Non-Patent License Agreement entered into between the parties concurrently with the Purchase Agreement (the "*IP Agreement*").

NOW, THEREFORE, in consideration of the mutual promises recited in the Purchase Agreement and the IP Agreement as well as the associated payments and other consideration recited in the Purchase Agreement, the parties agree as follows, to become effective only upon the Closing (as defined in the Purchase Agreement):

AGREEMENT

The parties agree as follows:

1. **Assignment.** Seller hereby sells, assigns, transfers and sets over, to Buyer, its successors and assigns, all of Seller's right, title and interest in and to the Patents, including:
 - (a) the right to prosecute the Patents;
 - (b) any and all causes of action and rights or recovery for past infringement of the Patents (including rights to insurance proceeds and under indemnities, guarantees and the like);
 - (c) the right to claim priority from the Patents; and

(d) all claims for damages or injunctive relief by reason of present or future infringement thereof, with the right to sue for, and collect the same for Buyer's own use and enjoyment, the same to be held and enjoyed by Buyer for its own use, and the use of Buyer's successors and assigns, as fully and entirely as the same would have been held and enjoyed by Seller if this assignment had not been made.

2. **Further Assurances; Instruction to Patent Commissioner.**

(a) Without limiting Seller's obligations under the Purchase Agreement or IP Agreement, Seller will, at the cost and expense of Buyer, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the recordation of this assignment of the Patents to Buyer.

(b) Seller hereby requests the Commissioner of Patents or similar officer (whether in the United States or any other territory worldwide) to issue to Buyer, any and all Letters Patent of the United States or other similar documentation of title in any other territory worldwide arising from such Patents for the use and behalf of Buyer, its successors, legal representatives, and assigns.

3. **Consideration.**

Consideration for the foregoing assignment will be as set forth in the Purchase Agreement and the IP Agreement.

4. **DISCLAIMER**

EXCEPT AS PROVIDED IN THE PURCHASE AGREEMENT OR THE IP AGREEMENT, THE PATENTS ARE PROVIDED "AS IS," WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, AND SELLER MAKES NO REPRESENTATION OR WARRANTY THAT THE PRACTICE OF THE PATENTS OR ANY RIGHTS THEREIN WILL NOT INFRINGE ANY PATENT OR OTHER PROPRIETARY RIGHT OF ANY THIRD PARTY.

5. **LIMITATION OF LIABILITY.** THE PARTIES ACKNOWLEDGE AND AGREE THAT THE LIMITATIONS OF LIABILITY, INDEMNITY, AND OTHER RELATED PROVISIONS SET FORTH IN THE PURCHASE AGREEMENT AND THE IP AGREEMENT WILL CONTROL AND GOVERN IN ANY CLAIMS OR LIABILITY ARISING UNDER THIS AGREEMENT.

6. **General.**

(a) This Agreement shall be binding upon and inure to the benefit of Seller and Buyer and their respective successors and assigns.

(b) No amendment or modification of this Agreement is binding on the parties unless made in a writing executed by duly authorized representatives of the parties.

(c) This Agreement will be governed by and construed in accordance with the internal laws of the State of Delaware applicable to agreements made and to be performed entirely within such State, without regard to the conflicts of law principles that would require the application of any other law. Any action or proceeding arising out of or relating to this Agreement or any transaction contemplated hereby may be brought in federal or state courts located in the State of Delaware, and each of the parties irrevocably submits to the exclusive jurisdiction of each such court in any such action or proceeding, waives any objection it may now or hereafter have to venue or to convenience of forum, agrees that all claims in respect of the action or proceeding shall be heard and determined only in any such court and agrees not to bring any action or proceeding arising out of or relating to this Agreement or any transaction contemplated hereby in any other court. The parties agree that either or both of them may file a copy of this paragraph with any court as written evidence of the knowing, voluntary and bargained agreement between the parties irrevocably to waive any objections to venue or to convenience of forum.

(d) This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which shall constitute one instrument.

<<SIGNATURE PAGES FOLLOW>>

IN WITNESS WHEREOF, Seller and Buyer have caused this Agreement as to be duly executed on the date below written.

Cisco Technology, Inc. ("Seller")

By: Robert Gardner

Its: Chief Financial Officer/Treasurer

[Signature]
(Signature)

11/19/2015
(Date)

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of San Mateo)

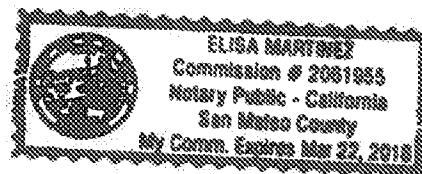
On 17 November 2015 before me, Elisa Martinez
(insert name and title of officer)

personally appeared Robert W. Gardner
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] (Seal)



[SIGNATURE PAGE TO PATENT ASSIGNMENT AGREEMENT]

Tech 5 SAS ("Buyer")

By: Adrien Cadieux

Its: Authorized Signatory

DocuSigned by:

Adrien Cadieux

DD81F5455FD7453..

(Signature)

11/20/2015

(Date)

[SIGNATURE PAGE TO PATENT ASSIGNMENT AGREEMENT]

SCHEDULE A**Patents and Patent Applications**

CPC Class	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
289370	US	Methods and apparatus supporting access to stored data	US7293066	11/6/2007	US10/761,652	1/21/2004	Issued
953486	US	Delivery of streams to repair errored media streams in periods of unrecoverable errors	US8214855	7/3/2012	US11/951,544	12/6/2007	Issued
953486-24949	WO	Delivery of streams to repair errored media streams in periods of unrecoverable errors			WOUS2008085237	12/2/2008	Expired
953914	US	Home entertainment system providing presence and mobility via remote control authentication	US8299889	10/30/2012	US11/999,967	12/7/2007	Issued

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CPC Class #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
957488	US	Multiple frequency channel data distribution	US8850509	9/30/2014	US12/342,387	12/23/2008	Issued
957488-29122	WO	Simultaneous moca transmission over multiple channels			WOUS2009069274	12/22/2009	Expired
958971	US	Manual playback overshoot correction	US8189986	5/29/2012	US12/367,691	2/9/2009	Issued
958971-29435	WO	Manual playback overshoot correction			WOUS2010023285	2/5/2010	Expired
958971-31652	EP	Manual playback overshoot correction			EP10704864	2/5/2010	Issued

CPQL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
958971-31653	CN	Manual playback overshoot correction			CN201080007000	2/5/2010	*Pending to Cisco's knowledge
959359	US	Use of copyright text in key derivation function	US8229115	7/24/2012	US12/503,291	7/15/2009	Issued
960361	US	Multiple digital signals from a single integrated circuit	US7928883	4/19/2011	US12/403,704	3/13/2009	Issued
960405	US	Content protection key encryptor for security providers	US8837726	9/16/2014	US12/580,589	10/16/2009	Issued
961632	US	Set-top box remote control	USD617777	6/15/2010	US29/355,454	2/8/2010	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966022	US	Retrieval and transfer of encrypted hard drive content from DVR set-top box utilizing second DVR set-top box	US7602913	10/13/2009	US10/920,841	8/18/2004	Issued
966022-25943	WO	Retrieval and transfer of encrypted hard drive content from dvr set-top box utilizing second dvr set-top box			WOUS2005028755	8/12/2005	Expired
966022-28779	MX	Retrieval and transfer of encrypted hard drive content from dvr set-top box utilizing second dvr set-top box.			MX2007001900	2/15/2007	*Issued to Cisco's knowledge
966022-28780	JP	Making use of the second DVR set top box, making use of the collection of the hard drive contents where is encoded from the DVR set top box			JP2007527892	8/12/2005	Abandoned
966022-28781	CA	Retrieval and transfer of encrypted hard drive content from dvr set-top box utilizing second dvr set-top box	CA2577328	4/3/2012	CA2577328	8/12/2005	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966022-28782	EP	Retrieval and transfer of encrypted hard drive content from dvr set-top box utilizing second dvr set-top box			EP05786386	8/12/2005	Pending
966023	US	Utilization of encrypted hard drive content by one DVR set-top box when recorded by another	US7602914	10/13/2009	US10/920,842	8/18/2004	Issued
966023-25942	WO	Utilization of encrypted hard drive content by one dvr set-top box when recorded by another			WOUS2005029036	8/12/2005	Expired
966023-28784	MX	Utilization of encrypted hard drive content by one dvr set-top box when recorded by another.			MX2007001897	2/15/2007	*Issued to Cisco's knowledge
966023-28785	JP	It depends on the DVR set top box, for using with the utilization plural set tops of the hard drive contents which were recorded by			JP2007527925	8/12/2005	Abandoned

CPDI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966023-28786	CA	Utilization of encrypted hard drive content by one dvr set-top box when recorded by another	CA2577633	9/24/2013	CA2577633	8/12/2005	Issued
966023-28787	EP	Utilization of encrypted hard drive content by one dvr set-top box when recorded by another			EP05788630	8/12/2005	Pending
966029	US	Tracking of presented television advertisements	US8745656	6/3/2014	US10/934,253	9/3/2004	Issued
966035	US	Mechanism and apparatus for encapsulation of entitlement authorization in conditional access system	US7515712	4/7/2009	US10/981,347	3/25/2005	Issued
966072	US	Multiroom point of deployment module	US8046806	10/25/2011	US11/162,232	9/2/2005	Issued

EPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966072-26095	WO	Multiroom point of deployment module			WOUS2006033967	8/31/2006	Expired
966072-28867	CA	Multiroom point of deployment module	CA2621382	12/3/2013	CA2621382	8/31/2006	Issued
966072-28868	EP	Multiroom point of deployment module			EP06802685	8/31/2006	Pending
966094	US	Field qualification of disk drives in consumer electronics devices	US7937737	5/3/2011	US11/414,822	5/1/2006	Issued
966094-26099	WO	Field qualification of disk drives in consumer electronics devices			WOUS2007067365	4/27/2007	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966094-28990	CA	Field qualification of disk drives in consumer electronics devices	CA2651105	4/17/2012	CA2651105	4/27/2007	Issued
966094-28991	EP	Field qualification of disk drives in consumer electronics devices			EP07811853	4/27/2007	Refused
966096	US	Measuring data transfer time for disk drives	US7895389	2/22/2011	US11/414,952	5/1/2006	Issued
966096-26100	WO	Performance testing of disk drives in consumer electronics devices			WOUS2007067448	4/26/2007	Expired
966096-28988	CA	Performance testing of disk drives in consumer electronics devices	CA2651107	4/23/2013	CA2651107	4/26/2007	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966096-28989	EP	Performance testing of disk drives in consumer electronics devices			EP07761306	4/26/2007	Refused
966110	US	Systems and methods of configuring a layer-2 switch for multicast filtering	US7742457	6/22/2010	US11/427,720	6/29/2006	Issued
966110-26112	WO	Systems and methods of configuring a layer-2 switch for multicast filtering			WOUS2007071428	6/18/2007	Expired
966110-29039	CA	Systems and methods of configuring a layer-2 switch for multicast filtering	CA2655669	8/5/2014	CA2655669	6/18/2007	Issued
966110-29040	EP	Systems and methods of configuring a layer-2 switch for multicast filtering			EP07798684	6/18/2007	Pending

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966112	US	Generated set top calibration patterns in manufacturing	US7961780	6/14/2011	US11/427,747	6/29/2006	Issued
966112-26115	WO	Generated set top calibration patterns in manufacturing			WOUS2007071552	6/19/2007	Expired
966112-29015	CN	Generated set top calibration patterns in manufacturing	CN101480059	10/5/2011	CN200780024492	6/19/2007	Issued
966112-29016	MX	Generated set top calibration patterns in manufacturing.			MX2008015981	12/12/2008	*Issued to Cisco's knowledge
966117	US	Analog set top calibration patterns in manufacturing	US7499822	3/3/2009	US11/427,745	6/29/2006	Issued

CPOI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966117-26116	WO	Analog set top calibration patterns in manufacturing			WOUS2007071547	6/19/2007	Expired
966117-29022	CN	Analog set top calibration patterns in manufacturing	CN101480058	3/21/2012	CN200780024363	6/19/2007	Issued
966117-29023	MX	Analog set top calibration patterns in manufacturing.			MX2008015982	12/12/2008	*Issued to Cisco's knowledge
966118	US	Filling blank spaces of a display screen	US7742059	6/22/2010	US11/427,673	6/29/2006	Issued
966118-26108	WO	Filling blank spaces of a display screen			WOUS2007071432	6/18/2007	Expired

CPCI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966118-29037	CA	Filling blank spaces of a display screen	CA2655672	11/8/2011	CA2655672	6/18/2007	Issued
966123	US	Digital media device having media content transfer capability	US7978720	7/12/2011	US11/428,365	6/30/2006	Issued
966123-28757	WO	Digital media device having media content transfer capability			WOUS2007071844	6/22/2007	Expired
966123-28916	EP	Digital media device having media content transfer capability			EP07798910	6/22/2007	Pending
966123-29025	KR	Digital media device having media content transfer capability	KR101035153	5/17/2011	KR20087031848	6/22/2007	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966123-29029	CA	Digital media device having media content transfer capability			CA2655536	6/22/2007	Pending
966129	US	Renewable conditional access	US8127009	2/28/2012	US11/427,959	6/30/2006	Issued
966129-28762	WO	Renewable conditional access			WOUS2007072338	6/28/2007	Expired
966129-28918	EP	Renewable conditional access	EP2036349	10/10/2012	EP07812418	6/28/2007	Issued
966129-29042	CA	Renewable conditional access	CA2655620	8/21/2012	CA2655620	6/28/2007	Issued

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966129-36335	FR	Renewable conditional access	EP2036349	10/10/2012	EP07812418	6/28/2007	Issued
966129-36336	DE	Renewable conditional access	EP2036349	10/10/2012	EP07812418	6/28/2007	Issued
966129-36337	GB	Renewable conditional access	EP2036349	10/10/2012	EP07812418	6/28/2007	Issued
966139	US	Control of enhanced application features via a conditional access system	US8205243	6/19/2012	US11/275,183	12/16/2005	Issued
966181	US	System and method for adapting video decoding rate	US7957470	6/7/2011	US12/143,956	6/23/2008	Issued

CPQL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966193	US	Testing data transfer time of disk drives in consumer electronics devices	US7877538	1/25/2011	US12/178,718	7/24/2008	Issued
966222	US	Proactive rebooting in a set-top terminal and corresponding methods	US7681028	3/16/2010	US11/556,277	11/3/2006	Issued
966248	US	DVD playback over multi-room by copying to HDD	US7876998	1/25/2011	US11/163,107	10/5/2005	Issued
966248-26098	WO	Dvd playback over multi-room by copying to hdd			WOUS2006037542	9/26/2006	Expired
966248-28961	CA	Dvd playback over multi-room by copying to hdd	CA2624876	7/29/2014	CA2624876	9/26/2006	Issued

CPQI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966248-28962	EP	Dvd playback over multi-room by copying to hdd			EP06815494	9/26/2006	Refused
966251	US	Client digital program insertion in a conditional access module	US8069348	11/29/2011	US11/163,238	10/11/2005	Issued
966251-26097	WO	Client digital program insertion in a conditional access module			WOUS2006037552	9/26/2006	Expired
966251-28967	CA	Client digital program insertion in a conditional access module	CA2625756	7/29/2014	CA2625756	9/26/2006	Issued
966251-28968	EP	Client digital program insertion in a conditional access module			EP06825139	9/26/2006	Abandoned

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966263	US	Expedited digital signal decoding	US7873760	1/18/2011	US11/164,147	11/11/2005	Issued
966263-26079	WO	Expedited digital signal decoding			WOUS2006060713	11/9/2006	Expired
966263-28929	CA	Expedited digital signal decoding	CA2629320	4/29/2014	CA2629320	11/9/2006	Issued
966263-28948	EP	Expedited digital signal decoding	EP1946501	3/17/2010	EP06850729	11/9/2006	Issued
966263-29851	DE	Expedited digital signal decoding	EP1946501	3/17/2010	EP06850729	11/9/2006	Issued

CPDL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966263-29852	FR	Expedited digital signal decoding	EP1946501	3/17/2010	EP06850729	11/9/2006	Issued
966263-29853	GB	Expedited digital signal decoding	EP1946501	3/17/2010	EP06850729	11/9/2006	Issued
966263-29854	NL	Expedited digital signal decoding	EP1946501	3/17/2010	EP06850729	11/9/2006	Issued
966267	US	Channel changes between services with differing bandwidth in a switched digital video system	US8099756	1/17/2012	US11/164,110	11/10/2005	Issued
966267-26077	WO	Channel changes between services with differing bandwidth in a switched digital video system			WOUS2006060703	11/9/2006	Expired

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966267-28937	CA	Channel changes between services with differing bandwidth in a switched digital video system			CA2629313	11/9/2006	Issued
966267-28938	EP	Channel changes between services with differing bandwidth in a switched digital video system			EP06850726	11/9/2006	Pending
966269	US	DVD MULTI-ROOM PLAYBACK AFTER HEADEND CONVERSATION			US11/164,337	11/18/2005	Abandoned
966269-26080	WO	Dvd control for a networked multi-room system			WOUS2006060967	11/16/2006	Expired
966269-28941	CA	Dvd multi-room playback after headend conversation	CA2630123	4/2/2013	CA2630123	11/16/2006	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966269-28949	EP	Dvd multi-room playback after headend conversation			EP06851324	11/16/2006	Pending
966272	US	Partial dual encrypted stream utilizing program map tables	US7496198	2/24/2009	US11/275,051	12/6/2005	Issued
966286	US	System and method for adapting video decoding rate by multiple presentation of frames	US8223848	7/17/2012	US12/177,916	7/23/2008	Issued
966288	US	Access of Stored Video From Peer Devices in a Local Network			US12/178,731	7/24/2008	Pending
966324	US	Heatsink for digital video recorder	US7158380	1/2/2007	US10/907,247	3/25/2005	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966442	US	Multicast downloading of software and data modules and their compatibility requirements	US5951639	9/14/1999	US08/601,455	2/14/1996	Issued
966442-26413	DE	Multicast downloading of software and data modules and their compatibility requirements	EP0880857	5/2/2002	EP97902864	1/13/1997	Issued
966442-26414	EP	Multicast downloading of software and data modules and their compatibility requirements	EP0880857	5/2/2002	EP97902864	1/13/1997	Issued
966442-26415	FR	Multicast downloading of software and data modules and their compatibility requirements	EP0880857	5/2/2002	EP97902864	1/13/1997	Issued
966442-26416	GB	Multicast downloading of software and data modules and their compatibility requirements	EP0880857	5/2/2002	EP97902864	1/13/1997	Issued

CPI#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966442-26417	KR				KR19990082617	1/13/1997	Abandoned
966442-26418	WO	Multicast downloading of software and data modules and their compatibility requirements			WOUS9700257	1/13/1997	Expired
966443-26422	GB	INTERPOLATION OF PIXEL VALUES AND ALPHA VALUES IN A COMPUTER GRAPHICS DISPLAY DEVICE	EP1012789	5/22/2002	EP97914928	5/3/1997	Issued
966443	US	Interpolation of pixel values and alpha values in a computer graphics display device	US5914725	6/22/1999	US08/612,105	3/7/1996	Issued
966443-26419	DE	INTERPOLATION OF PIXEL VALUES AND ALPHA VALUES IN A COMPUTER GRAPHICS DISPLAY DEVICE	EP1012789	5/22/2002	EP97914928	5/3/1997	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966443-26420	EP	INTERPOLATION OF PIXEL VALUES AND ALPHA VALUES IN A COMPUTER GRAPHICS DISPLAY DEVICE	EP1012789	5/22/2002	EP97914928	5/3/1997	Issued
966443-26421	FR	INTERPOLATION OF PIXEL VALUES AND ALPHA VALUES IN A COMPUTER GRAPHICS DISPLAY DEVICE	EP1012789	5/22/2002	EP97914928	5/3/1997	Issued
966443-26423	KR				1998-707002	3/5/1997	Abandoned
966443-26424	WO	INTERPOLATION OF PIXEL VALUES AND ALPHA VALUES IN A COMPUTER GRAPHICS DISPLAY DEVICE			WO 97/33253	9/12/1997	Expired
966445	US	List controlled video operations	US5903281	5/11/1999	US08/612,104	3/7/1996	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966445-26425	DE	List controlled video operations	EP0885529	6/7/2000	EP97908963	3/5/1997	Issued
966445-26426	EP	List controlled video operations	EP0885529	6/7/2000	EP97908963	3/5/1997	Issued
966445-26427	FR	List controlled video operations	EP0885529	6/7/2000	EP97908963	3/5/1997	Issued
966445-26428	GB	List controlled video operations	EP0885529	6/7/2000	EP97908963	3/5/1997	Issued
966445-26429	IT	List controlled video operations	EP0885529	6/7/2000	EP97908963	3/5/1997	Abandoned

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966445-26430	KR	List control video operational method and system	KR100482708	9/9/2005	KR19980707003	9/5/1998	Issued
966445-26431	WO	List controlled video operations			WOUS9703646	3/5/1997	Expired
966447	US	Blending of video images in a home communications terminal	US6023302	2/8/2000	US08/612,162	3/7/1996	Issued
966447-26432	DE	Blending of video images in a home communications terminal	EP0885528	11/14/2001	EP97908737	3/6/1997	*Issued to Cisco's knowledge
966447-26433	EP	Blending of video images in a home communications terminal	EP0885528	11/14/2001	EP97908737	3/6/1997	*Issued to Cisco's knowledge

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966447-26434	FR	Blending of video images in a home communications terminal	EP0885528	11/14/2001	EP97908737	3/6/1997	*Issued to Cisco's knowledge
966447-26435	GB	Blending of video images in a home communications terminal	EP0885528	11/14/2001	EP97908737	3/6/1997	*Issued to Cisco's knowledge
966447-26436	IT	Blending of video images in a home communications terminal	EP0885528	11/14/2001	EP97908737	3/6/1997	Abandoned
966447-26437	KR				KR19990087566	3/6/1997	Abandoned
966447-26438	WO	Blending of video images in a home communications terminal			WOUS9702980	3/6/1997	Expired

C.POL.	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966448	US	Apparatus and method for preprocessing computer programs prior to transmission across a network	US5734822	3/31/1998	US08/578,202	12/29/1995	Issued
966448-26439	EP	APPARATUS AND METHOD FOR PREPROCESSING COMPUTER PROGRAMS PRIOR TO TRANSMISSION	EP0870235	7/25/2007	EP96945247	7/25/2007	Issued
966448-26440	KR		KR100422103	2/26/2004	704950/1998	2/26/2004	Issued
966448-26441	WO	APPARATUS AND METHOD FOR PREPROCESSING COMPUTER PROGRAMS PRIOR TO TRANSMISSION ACROSS A NETWORK			WO 97/24674	7/10/1997	Expired
966448-28827	FR	APPARATUS AND METHOD FOR PREPROCESSING COMPUTER PROGRAMS PRIOR TO TRANSMISSION	EP0870235	7/25/2007	EP96945247	7/25/2007	Issued

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966448-28828	GB	APPARATUS AND METHOD FOR PREPROCESSING COMPUTER PROGRAMS PRIOR TO TRANSMISSION	EP0870235	7/25/2007	EP96945247	7/25/2007	Issued
966448-28829	DE	APPARATUS AND METHOD FOR PREPROCESSING COMPUTER PROGRAMS PRIOR TO TRANSMISSION	EP0870235	7/25/2007	EP96945247	7/25/2007	Issued
966587	US	Automatic interactive television terminal configuration	US4987486	1/22/1991	US07/289,218	12/23/1988	Expired
966588	US	Automatic interactive television terminal configuration	USRE36368	11/2/1999	US08/007,288	1/21/1993	Expired
966588-26765	CA	Automatic interactive television terminal configuration	CA2005804	7/4/1995	CA2005804	12/18/1989	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966588-26766	CN	Automatic interactive television terminal configuration			CN89109858	12/23/1989	*Abandoned to Cisco's knowledge
966588-26767	GB	Automatic interactive television terminal configuration	GB2244891	10/13/1993	GB9113620	6/24/1991	Expired
966588-26768	MX				18831	12/21/1989	Abandoned
966588-26769	TW				79103852	5/12/1990	Abandoned
966588-26770	WO	Automatic interactive television terminal configuration			WOUS8905657	12/22/1989	Expired

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966594	US	Terminal authorization method	US5001554	3/19/1991	US07/340,731	4/20/1989	Expired
966595	US	Terminal authorization method	USRE36988	12/12/2000	US08/034,747	3/18/1993	Expired
966595-26771	CA	Terminal authorization method	CA2014794	6/18/1996	CA2014794	4/18/1990	Expired
966595-26772	CN	Terminal authorization method			CN90103916	4/20/1990	*Abandoned to Cisco's knowledge
966595-26773	MX				20389	4/20/1990	Abandoned

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966595-26774	TW				79106364	8/1/1990	Abandoned
966595-26775	WO	Terminal authorization method			WOUS9002032	4/19/1990	Expired
966597	US	Terminal polling method	US5053883	10/1/1991	US07/340,659	4/20/1989	Expired
966597-26776	CA	Terminal polling method			CA2014792	4/18/1990	Abandoned
966597-26777	CN	Terminal polling method			CN90103915	4/20/1990	*Abandoned to Cisco's knowledge

CPO#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966597-26778	MX				20384	4/20/1990	Abandoned
966597-26779	TW				79107156	8/25/1990	Abandoned
966597-26780	WO	Terminal polling method			WOUS9002035	4/19/1990	Expired
966622	US	Interactive television terminal with programmable background audio or video	US4991011	2/5/1991	US07/340,967	4/20/1989	Expired
966622-26806	CA	Interactive television terminal with programmable audio or video			CA2014796	4/18/1990	Abandoned

CPI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966622-26807	CN	Interactive television terminal with programmable audio or video			CN90103913	4/20/1990	*Abandoned to Cisco's knowledge
966622-26808	MX				20385	4/20/1990	Abandoned
966622-26809	TW				79106140	7/25/1990	Abandoned
966622-26810	WO	Interactive television terminal with programmable background audio or video			WOUS9002030	4/19/1990	Expired
966623	US	Interactive room status/time information system	US4994908	2/19/1991	US07/340,660	4/20/1989	Expired

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966624-26811	CA	Interactive room status/time information system			CA2014795	4/18/1990	Abandoned
966624-26812	CN	Interactive room status/time information system			CN90103917	4/20/1990	*Abandoned to Cisco's knowledge
966624-26815	WO	Interactive room status/time informaton system			WOUS9002031	4/19/1990	Expired
966625	US	Cable television transaction terminal	US5077607	12/31/1991	US07/340,642	4/20/1989	Expired
966625-26816	CA	Cable television transaction terminal	CA2014791	6/18/1996	CA2014791	4/18/1990	Expired

CPGL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966625-26817	CN	Cable television transaction terminal			CN90103918	4/20/1990	*Abandoned to Cisco's knowledge
966625-26818	MX				20386	4/20/1990	Abandoned
966625-26819	TW				79106366	8/1/1990	Abandoned
966625-26820	WO	Cable television transaction terminal			WOUS9002033	4/19/1990	Expired
966678	US	Logical and composite channel mapping in an MPEG network	US6215530	4/10/2001	US08/747,620	11/13/1996	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966859	US	Verification of the source of program information in a conditional access system	US6105134	8/15/2000	US09/126,795	7/31/1998	Expired
966859-27265	BR	Verificação da fonte de informações de programa em sistema de acesso condicional			BR9815610	7/31/1998	*Abandoned to Cisco's knowledge
966859-27266	DE	Verification of the source of program of information in a conditional access system	EP1010323	10/31/2001	EP98938104	7/31/1998	Issued
966859-27267	EP	Verification of the source of program of information in a conditional access system	EP1010323	10/31/2001	EP98938104	7/31/1998	Issued
966859-27268	FR	Verification of the source of program of information in a conditional access system	EP1010323	10/31/2001	EP98938104	7/31/1998	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No	Application Filing Date	Status
966859-27269	GB	Verification of the source of program of information in a conditional access system	EP1010323	10/31/2001	EP98938104	7/31/1998	Issued
966859-27270	IT	Verification of the source of program of information in a conditional access system	EP1010323	10/31/2001	EP98938104	7/31/1998	Abandoned
966859-27271	JP				JP2000505739	7/31/1998	Abandoned
966859-27272	NL	Verification of the source of program of information in a conditional access system	EP1010323	10/31/2001	EP98938104	7/31/1998	Abandoned
966859-27273	WO	Verification of the source of program of information in a conditional access system			WOUS9815753	7/31/1998	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966883	US	Cable television radio frequency data processor	US5142690	8/25/1992	US07/503,422	4/2/1990	Expired
966883-27294	AU	Cable television radio frequency data processor	AU659372	5/11/1995	AU7564291	3/20/1991	*Expired
966883-27295	BR	PROCESS OF DATA OF RADIOFREQUENCIA FOR TELEVISAO the HANDLE AND PROCESS TO ELIMINATE.			BR9106267	3/20/1991	*Abandoned to Cisco's knowledge
966883-27296	CA	Cable television radio frequency data processor			CA2078562	3/20/1991	Abandoned
966883-27297	CN	Cable television radio frequency data processor			CN91102696	3/20/1991	*Abandoned to Cisco's knowledge

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966883-27298	DE	Cable television radio frequency data processor	EP0532504	6/4/1997	EP91906937	3/20/1991	Expired
966883-27299	EP	Cable television radio frequency data processor	EP0532504	6/4/1997	EP91906937	3/20/1991	Expired
966883-27300	ES	Cable television radio frequency data processor	EP0532504	6/4/1997	EP91906937	3/20/1991	Expired
966883-27301	GB	Cable television radio frequency data processor	EP0532504	6/4/1997	EP91906937	3/20/1991	Expired
966883-27302	IT	Cable television radio frequency data processor	EP0532504	6/4/1997	EP91906937	3/20/1991	Expired

CPQI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966883-27303	JP				JP50661991	3/20/1991	Abandoned
966883-27304	KR				92702271	3/20/1991	Abandoned
966883-27305	MX	Sistema de cable television bidireccional en donde los servicios de television se proporcionan en una direccion delantera y el dato se hace regresar en una direccion de reversa y metodo usado	MX174456	5/17/1994	MX2500291	3/20/1991	Expired
966883-27306	WO	Cable television radio frequency data processor			WOUS9101833	3/20/1991	Expired
966894	US	Method and apparatus for RF data transfer in a CATV system	US5255086	10/19/1993	US07/562,675	8/3/1990	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966894-27307	AU	Cable television radio frequency return method	AU641755	9/30/1993	AU7583991D	3/20/1991	Expired
966894-27308	BR	PROCESS TO CONTROL THE DISTRIBUICAO OF A POPULACAO OF REMOTE UNITS, PROCESS TO RECOUP GIVEN IN A SYSTEM OF RECUPERACAO OF DATA AND PROCESS TO RECOUP GIVEN IN A TELEVISAO SYSTEM THE HANDLE			BR9106266	3/20/1991	*Abandoned to Cisco's knowledge
966894-27309	CA	Cable television radio frequency return method			CA2078561	3/20/1991	Abandoned
966894-27310	CN	Cable television radio frequency return method			CN91102695	3/20/1991	*Abandoned to Cisco's knowledge
966894-27311	EP	Cable television radio frequency return method			EP91907082	3/20/1991	Withdrawn

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966894-27312	JP				JP50662391	3/20/1991	Abandoned
966894-27313	KR				92702300	3/20/1991	Abandoned
966894-27314	MX	Metodo de retorno para la frecuencia de radio para la television por cable	MX174056	4/6/1994	MX2498991	3/20/1991	Expired
966894-27315	WO	Cable television radio frequency return method			WOUS9101847	3/20/1991	Expired
966942	US	Method and apparatus for generating and collecting viewing statistics for remote terminals in a cable television system	US5251324	10/5/1993	US07/671,532	3/19/1991	Expired

CPC Class	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966942-27365	AU	Apparatus for generating and collecting viewing statistics	AU669659	6/20/1996	AU1680492	3/19/1992	Expired
966942-27366	BR	Sticas process to generate and to collect estat in screen, device for canal monitorial, device to record and to transmit canal of remote terminal			BR9205792	3/19/1992	*Abandoned to Cisco's knowledge
966942-27367	CA	Apparatus for generating and collecting viewing statistics			CA2106597	3/19/1992	Abandoned
966942-27368	CN	Method and apparatus for generating and collecting viewing statistics for remote terminals in cable television system			CN92102937	3/19/1992	*Abandoned to Cisco's knowledge
966942-27369	CS	Cable television both-way system			CS83592	3/19/1992	*Abandoned to Cisco's knowledge

CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966942-27370	EP	Apparatus for generating and collecting viewing statistics.			EP92909874	3/19/1992	Abandoned
966942-27371	JP				JP50907592	3/19/1992	Abandoned
966942-27372	KR				93702845	3/19/1992	Abandoned
966942-27373	MX	Metodo y aparato para generar y obtener estadisticas de observacion de terminales remotas en un sistema de television por cable.			MX9201232	3/19/1992	Abandoned
966942-27374	PL	Method of and apparatus for creating and collecting the viewing statistics from remote terminals in a cable tv system	PL169709	8/30/1996	PL29390192	3/19/1992	Expired

CPI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966942-27375	TW		TW238461	1/11/1995	TW81103211	4/23/1992	Expired
966942-27376	WO	Apparatus for generating and collecting viewing statistics			WOUS9202211	3/19/1992	Expired
966943	US	Automatic frequency selection in a bi-directional cable television system	US5225902	7/6/1993	US07/671,539	3/19/1991	Expired
966943-27377	AU	Automatic frequency selection in a bi-directional cable television system	AU669845	6/27/1996	AU1660692	3/19/1992	Expired
966943-27378	BR	Process and device for stamp automatic of frequency, process for determining automatic of frequency and of transmission and the process for its stamps of frequency one.			BR9205795	3/19/1992	*Abandoned to Cisco's knowledge

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966943-27379	CA	Automatic frequency selection in a bi-directional cable television system			CA2106599	3/19/1992	Abandoned
966943-27380	CN	Automatic frequency selection in bi-directional cable television system			CN92102938	3/19/1992	*Abandoned to Cisco's knowledge
966943-27381	CS	Cable television both-way system			CS83492	3/19/1992	*Abandoned to Cisco's knowledge
966943-27382	EP	Automatic frequency selection in a bi-directional cable television system.			EP92909145	3/19/1992	Abandoned
966943-27383	JP				JP50882992	3/19/1992	Abandoned

CPQL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966943-27384	KR				93702846	3/19/1992	Abandoned
966943-27385	MX	Seleccion de frecuencia automatica en un sistema de television por cable bidireccional.			MX9201233	3/19/1992	*Abandoned to Cisco's knowledge
966943-27386	PL	Automatic frequency band selection in a bidirectional cable television system	PL167998	12/30/1995	PL29390092	3/19/1992	Expired
966943-27387	TW				81103206	4/23/1992	Abandoned
966943-27388	WO	Automatic frequency selection in a bi-directional cable television system			WOUS9202224	3/19/1992	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966967	US	Conditional access system	US6157719	12/5/2000	US09/126,921	7/31/1998	Expired
966967-25939	JP	Conditional access system			JP2005120425	4/18/2005	*Abandoned to Cisco's knowledge
966967-27437	BR	Sistema de acesso condicional			BR9810967	7/31/1998	*Abandoned to Cisco's knowledge
966967-27438	DE	Conditional access system	EP1000511	11/14/2001	EP98960147	7/31/1998	Issued
966967-27439	EP	Conditional access system	EP1000511	11/14/2001	EP98960147	7/31/1998	Issued

CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966967-27440	FR	Conditional access system	EP1000511	11/14/2001	EP98960147	7/31/1998	Issued
966967-27441	GB	Conditional access system	EP1000511	11/14/2001	EP98960147	7/31/1998	Issued
966967-27442	IT	Conditional access system	EP1000511	11/14/2001	EP98960147	7/31/1998	Abandoned
966967-27443	JP				JP2000510276	7/31/1998	Abandoned
966967-27444	NL	Conditional access system	EP1000511	11/14/2001	EP98960147	7/31/1998	Abandoned

CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966967-27445	WO	Conditional access system			WOUS9816079	7/31/1998	Expired
966967-29056	JP	Conditional access system			JP2008321531	12/17/2008	*Abandoned to Cisco's knowledge
967305	US	System and method for transmitting a plurality of digital services	US5400401	3/21/1995	US07/968,846	10/30/1992	Expired
967305-27764	AU	A multiplex control packet for digital services			AU5575894D	11/1/1993	*Abandoned to Cisco's knowledge
967305-27765	BR	Processos de transmissão de uma pluralidade de serviços digitais de decodificação de uma corrente de dados multiplexados de formatação de uma corrente em série de bit e de geração de uma corrente em série de bit formato de sinal digital e aparelhagem codificadora e decodificadora			BR9307339	11/1/1993	*Abandoned to Cisco's knowledge

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CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967305-27766	CA	A multiplex control packet for digital services			CA2148270	11/1/1993	Abandoned
967305-27767	EP	A multiplex control packet for digital services	EP0682830	12/23/2009	EP94900485	11/1/1993	Expired
967305-27768	JP	Multiplex control package for digital service	JP4148989	9/10/2008	JP51138194	11/1/1993	Expired
967305-27769	JP	Multiplex control package for digital service			JP2004113681	4/7/2004	Abandoned
967305-27770	KR				95/701714	11/1/1993	Abandoned

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967305-27771	WO	A multiplex control packet for digital services			WOUS9310491	11/1/1993	Expired
967305-29818	DE	A multiplex control packet for digital services	EP0682830	12/23/2009	EP94900485	11/1/1993	Expired
967305-29819	FR	A multiplex control packet for digital services	EP0682830	12/23/2009	EP94900485	11/1/1993	Expired
967305-29820	GB	A multiplex control packet for digital services	EP0682830	12/23/2009	EP94900485	11/1/1993	Expired
967309	US	Apparatus providing dynamic virtual service selection in a multi-service communications system	US5359601	10/25/1994	US08/027,782	3/8/1993	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967309-27776	AU	Apparatus providing dynamic virtual service selection in a multi-service communications system			AU6359994D	3/4/1994	*Abandoned to Cisco's knowledge
967309-27777	CA	Apparatus providing dynamic virtual service selection in a multi-service communications system			CA2157670	3/4/1994	Abandoned
967309-27778	DE	Apparatus providing dynamic virtual service selection in a multi-service communications system	EP0688490	8/25/1999	EP94910846	3/4/1994	Expired
967309-27779	EP	Apparatus providing dynamic virtual service selection in a multi-service communications system	EP0688490	8/25/1999	EP94910846	3/4/1994	Expired
967309-27780	FR	Apparatus providing dynamic virtual service selection in a multi-service communications system	EP0688490	8/25/1999	EP94910846	3/4/1994	Expired

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967309-27781	GB	Apparatus providing dynamic virtual service selection in a multi-service communications system	EP0688490	8/25/1999	EP94910846	3/4/1994	Expired
967309-27782	IT	Apparatus providing dynamic virtual service selection in a multi-service communications system	EP0688490	8/25/1999	EP94910846	3/4/1994	Expired
967309-27783	JP	Method and the device which offer the selection of service in the multiple service communication system	JP3830507	10/4/2006	JP52020294	3/4/1994	Expired
967309-27784	WO	Apparatus providing dynamic virtual service selection in a multi-service communications system			WOU59402377	3/4/1994	Expired
967316	US	Automatic digital television (DTV) bypass for a CATV converter using a CATV tuner	US6622308	9/16/2003	US09/274,643	3/23/1999	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967316-27786	WO	Automatic digital television (dtv) bypass for a catv converter using a catv tuner			WOUS0007425	3/21/2000	Expired
967322	US	Method and apparatus for providing conditional access in connection-oriented interactive networks with a multiplicity of service providers	US6424714	7/23/2002	US09/135,615	8/18/1998	Issued
967351	US	Apparatus and method for local encryption control of a global transport data stream	US5937067	8/10/1999	US08/745,483	11/12/1996	Issued
967351-27804	BR	Controle para fluxo de dados de transporte global.			BR9712999	10/28/1997	*Abandoned to Cisco's knowledge
967351-27805	EP	Control for a global transport data stream	EP1023795	4/9/2008	EP97949357	10/28/1997	Issued

CPOI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967351-27806	JP	The control regarding the global transport data stream	JP3700982	9/28/2005	JP52260898	10/28/1997	Issued
967351-27807	JP	The control regarding the global transport data stream	JP3978441	9/19/2007	JP2004171930	6/9/2004	Issued
967351-27808	WO	Control for a global transport data stream			WOUS9719890	10/28/1997	Expired
967351-28902	DE	Control for a global transport data stream	EP1023795	4/9/2008	EP97949357	10/28/1997	Issued
967351-28903	FR	Control for a global transport data stream	EP1023795	4/9/2008	EP97949357	10/28/1997	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967351-28904	GB	Control for a global transport data stream	EP1023795	4/9/2008	EP97949357	10/28/1997	Issued
967370	US	Method of providing video on demand with VCR like functions	US5357276	10/18/1994	US07/984,038	12/1/1992	Expired
967523	US	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software	US7069578	6/27/2006	US09/549,292	4/14/2000	Issued
967523-26067	JP	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software			JP2005358842	12/13/2005	*Abandoned to Cisco's knowledge
967523-28116	EP	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software	EP1252758	4/14/2010	EP01906837	1/31/2001	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967523-28117	JP		JP4398130	1/13/2010	JP2001557278	1/31/2001	Issued
967523-28118	WO	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software			WOUS0103198	1/31/2001	Expired
967523-28887	JP	Set-top cable television control device for maintaining and renewing operating system software of set-top receiver including boot loader software and code version table and its method			JP2009032024	2/13/2009	*Abandoned to Cisco's knowledge
967523-29182	FR	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software	EP1252758	4/14/2010	EP01906837	1/31/2001	Issued
967523-29183	DE	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software	EP1252758	4/14/2010	EP01906837	1/31/2001	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967523-29184	GB	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software	EP1252758	4/14/2010	EP01906837	1/31/2001	Issued
967577	US	Multicast downloading of software and data modules and their compatibility requirements	US6487723	11/26/2002	US09/305,179	5/4/1999	Issued
967640	US	Secure authorization and control method and apparatus for a game delivery service	US5654746	8/5/1997	US08/352,162	12/1/1994	Expired
967640-28207	AU	Secure authorization and control method and apparatus for a game delivery service	AU688341	3/5/1998	AU3640695D	9/29/1995	*Abandoned to Cisco's knowledge
967640-28208	BR	Process and device of authorize and have controlled insurances for servile of distribute of games			BR9509857	9/29/1995	*Abandoned to Cisco's knowledge

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967640-28209	CA	Secure authorization and control method and apparatus for a game delivery service			CA2206234	9/29/1995	Abandoned
967640-28210	EP	Secure authorization and control method and apparatus for a game delivery service			EP95933932	9/29/1995	Abandoned
967640-28211	JP				JP51875295	9/29/1995	Abandoned
967640-28212	KR				97-703640	9/29/1995	Abandoned
967640-28213	WO	Secure authorization and control method and apparatus for a game delivery service			WOUS9512219	9/29/1995	Expired

CFO #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967646	US	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers	US5870474	2/9/1999	US08/580,759	12/29/1995	Issued
967646-28214	AU	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers			AU7009896D	8/22/1996	*Abandoned to Cisco's knowledge
967646-28215	CA	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers			CA2237293	8/22/1996	Abandoned
967646-28216	EP	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers	EP0872077	9/23/2009	EP96931413	8/22/1996	Issued
967646-28217	JP				JP52431097	8/22/1996	Abandoned

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967646-28218	WO	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers			WOUS9613743	8/22/1996	Expired
967646-30215	DE	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers	EP0872077	9/23/2009	EP96931413	8/22/1996	Issued
967646-30216	FR	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers	EP0872077	9/23/2009	EP96931413	8/22/1996	Issued
967646-30217	GB	Method and apparatus for providing conditional access in connection-oriented, interactive networks with a multiplicity of service providers	EP0872077	9/23/2009	EP96931413	8/22/1996	Issued
967658	US	Subscriber television system user interface with a virtual reality media space	US6795972	9/21/2004	US09/896,391	6/29/2001	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967658-28238	WO	A subscriber television system user interface with a virtual reality media space			WOUS0220297	6/26/2002	Expired
967679	US	Home communications terminal having an applications module	US5771064	6/23/1998	US08/564,020	11/29/1995	Issued
967679-28260	WO	Home communications terminal having an applications module			WOUS9619077	11/27/1996	Expired
967732	US	Systems and methods for resource-adaptive processing of scaled video and graphics	US8429699	4/23/2013	US09/736,661	12/14/2000	Issued
967732-28306	BR	Sistema e método para o processamento de video adaptativo com alocação de recursos coordenados			BR0015959	12/14/2000	*Abandoned to Cisco's knowledge

CPL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967732-28307	CA	System and method for adaptive decoding of a video signal with coordinated resource allocation	CA2394352	7/15/2008	CA2394352	12/14/2000	Issued
967732-28308	EP	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP1243141	10/19/2011	EP00984341	12/14/2000	Issued
967732-28309	JP				JP2001546180	12/14/2000	*Abandoned to Cisco's knowledge
967732-28310	WO	System and method for adaptive decoding of a video signal with coordinated resource allocation			WO00033837	12/14/2000	Expired
967732-29427	JP	System and method for adaptive decoding of video signal with coordinated resource allocation			JP2009240932	10/19/2009	*Abandoned to Cisco's knowledge

CFOI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967732-30385	EP	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP2362659	11/26/2014	EP11166809	12/14/2000	Issued
967732-31649	FR	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP1243141	10/19/2011	EP00984341	12/14/2000	Issued
967732-31650	DE	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP1243141	10/19/2011	EP00984341	12/14/2000	Issued
967732-31651	GB	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP1243141	10/19/2011	EP00984341	12/14/2000	Issued
967732-43823	FR	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP2362659	11/26/2014	EP11166809	12/14/2000	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967732-43824	DE	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP2362659	11/26/2014	EP11166809	12/14/2000	Issued
967732-43825	GB	System and method for adaptive decoding of a video signal with coordinated resource allocation	EP2362659	11/26/2014	EP11166809	12/14/2000	Issued
967749	US	Encryption devices for use in a conditional access system	US6424717	7/23/2002	US09/464,794	12/16/1999	Expired
967770	US	Method and apparatus for a game delivery service including flash memory and a game back-up module	US6029046	2/22/2000	US08/566,257	12/1/1995	Expired
967771	US	Representing entitlements to service in a conditional access system	US6292568	9/18/2001	US09/487,076	1/19/2000	Expired

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967772	US	Authorization of services in a conditional access system	US6252964	6/26/2001	US09/488,230	1/20/2000	Expired
967776	US	Method and apparatus for geographically limiting service in a conditional access system	US6560340	5/6/2003	US09/493,409	1/28/2000	Expired
967924	US	Digital subscriber television networks with local physical storage devices and virtual storage	US7657916	2/2/2010	US09/918,376	7/30/2001	Issued
967950	US	Logical and composite channel mapping in an MPEG network	US5600378	2/4/1997	US08/446,322	5/22/1995	Expired
967950-28438	CA	Logical and composite channel mapping in an mpeg network	CA2220918	2/15/2005	CA2220918	5/21/1996	Issued

CPCL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967950-28439	DE	Logical and composite channel mapping in an mpeg network	EP0827669	8/6/2003	EP96920380	5/21/1996	*Issued to Cisco's knowledge
967950-28440	EP	Logical and composite channel mapping in an mpeg network	EP0827669	8/6/2003	EP96920380	5/21/1996	Issued
967950-28441	FR	Logical and composite channel mapping in an mpeg network	EP0827669	8/6/2003	EP96920380	5/21/1996	*Issued to Cisco's knowledge
967950-28442	GB	Logical and composite channel mapping in an mpeg network	EP0827669	8/6/2003	EP96920380	5/21/1996	*Issued to Cisco's knowledge
967950-28443	JP	The logical compound channel mapping in MPEG network	JP4146895	9/10/2008	JP53583396	5/21/1996	*Issued to Cisco's knowledge

CPC Class.	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967950-28444	JP	Logical composite channel mapping in mpeg network			JP2004177946	6/16/2004	Abandoned
967950-28445	NL	Logical and composite channel mapping in an mpeg network	EP0827669	8/6/2003	EP96920380	5/21/1996	Abandoned
967950-28446	WO	Logical and composite channel mapping in an mpeg network			WOUS9607421	5/21/1996	Expired
967994	US	Hypertext markup language cache system and method	US6681298	1/20/2004	US09/614,239	7/12/2000	Issued
967994-28476	EP	HYPERTEXT MARKUP LANGUAGE CACHE SYSTEM AND METHOD			EP1395920	3/10/2004	Abandoned

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967994-28477	WO	HYPERTEXT MARKUP LANGUAGE CACHE SYSTEM AND METHOD			WO 02/05097	1/17/2002	Expired
967996	US	Source authentication of download information in a conditional access system	US6526508	2/25/2003	US09/748,313	12/26/2000	Expired
968009	US	Conditional access system	US6510519	1/21/2003	US09/881,428	6/14/2001	Expired
968030	US	Authorization of services in a conditional access system	US6516412	2/4/2003	US09/811,085	3/16/2001	Expired
968046	US	Encrypting received content	US8312265	11/13/2012	US10/015,351	12/11/2001	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968046-28506	CA	Encrypting received content	CA2470132	1/31/2012	CA2470132	12/10/2002	Issued
968046-28507	EP	Encrypting received content			EP02799917	12/10/2002	Abandoned
968046-28508	WO	Encrypting received content			WOUS0239386	12/10/2002	Expired
968068	US	Converting time-shift buffering for personal video recording into permanent recordings	US7257308	6/12/2003	US10/008,624	12/6/2001	Issued
968068-28529	CA	Converting time-shift buffering for personal video recording into permanent recordings	CA2469558	3/30/2010	CA2469558	12/5/2002	Issued

CPL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968068-28530	EP	Converting time-shift buffering for personal video recording into permanent recordings			EP02794161	12/5/2002	Refused
968068-28531	WO	Converting time-shift buffering for personal video recording into permanent recordings			WOUS0238868	12/5/2002	Expired
968069	US	Dividing and managing time-shift buffering into program specific segments based on defined durations	US8565578	10/22/2013	US10/008,439	12/6/2001	Issued
968069-28532	CA	Dividing and managing time shift buffering into program specific segments based on defined durations			CA2469542	12/5/2002	Pending
968069-28533	EP	Dividing and managing time shift buffering into program specific segments based on defined durations			EP02804729	12/5/2002	Pending

CPQt #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968069-28534	WO	Dividing and managing time shift buffering into program specific segments based on defined durations			WOUS0238777	12/5/2002	Expired
968121	US	Management of television advertising	US7334251	2/19/2008	US10/073,842	2/11/2002	Issued
968121-28584	CA	Management of television advertising	CA2475723	1/25/2011	CA2475723	2/5/2003	Issued
968121-28585	EP	Management of television advertising			EP03713364	2/5/2003	Pending
968121-28586	WO	Management of television advertising			WOUS0303391	2/5/2003	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968133	US	Apparatus for encryption key management	US7200868	4/3/2007	US10/242,100	9/12/2002	Issued
968133-28587	CA	Apparatus for encryption key management	CA2498684	3/20/2012	CA2498684	9/17/2002	Issued
968133-28588	EP	Apparatus for encryption key management			EP02761682	9/17/2002	Pending
968133-28589	JP	Device for key management of encoding	JP4182055	11/19/2008	JP2004535372	9/17/2002	Issued
968133-28590	WO	Apparatus for encryption key management			WOUS0229339	9/17/2002	Expired

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968140	US	Apparatus for entitling remote client devices	US6748080	6/8/2004	US10/154,495	5/24/2002	Issued
968140-28592	CA	Apparatus for entitling remote client devices	CA2487057	11/9/2010	CA2487057	5/23/2003	Issued
968140-28593	EP	Apparatus for entitling remote client devices			EP03755496	5/23/2003	Pending
968140-28594	WO	Apparatus for entitling remote client devices			WOUS0316585	5/23/2003	Expired
968149	US	Representing entitlements to service in a conditional access system	US6937729	8/30/2005	US09/930,901	8/16/2001	Issued - Possibly Expired without term adjustment

CPO#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968247	US	Conditional access personal video recorder			US10/383,130	3/6/2003	Abandoned
968247-25958	CA	Conditional access personal video recorder			CA2518113	3/5/2004	Pending
968247-25959	JP	The personal video recorder inside conditional			JP2006509184	3/5/2004	*Abandoned to Cisco's knowledge
968247-25960	EP	Conditional access personal video recorder			EP04718081	3/5/2004	Pending
968247-25961	KR	Conditional access personal video recorder	KR101059624	8/25/2011	KR20057016599	3/5/2004	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968247-25962	MX	Conditional access personal video recorder.			MXPA05009509	9/6/2005	*Issued to Cisco's knowledge
968247-28647	WO	Conditional access personal video recorder			WOUS2004006819	3/5/2004	Expired
968265	US	State-based memory unloading	US7870352	1/11/2011	US10/712,655	11/13/2003	Issued
968265-25966	CA	State-based memory unloading	CA2546128	4/17/2012	CA2546128	11/12/2004	Issued
968265-25967	EP	State-based memory unloading			EP04801087	11/12/2004	Pending

CPCL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968562-25983	EP	Conditional access overlay partial encryption using mpeg transport continuity counter	EP1709805	5/21/2008	EP05705533	1/12/2005	Issued
968265-26090	MX	DESCARGA DE MEMORIA BASADA EN EL ESTADO DE LA APLICACION.	MX297975	4/10/2012	MX/a/2009/007376		Issued
968265-28656	WO	State-based memory unloading			WOUS2004038400	11/12/2004	Expired
968265-28747	MX	DESCARGA DE MEMORIA BASADA EN EL ESTADO DE LA APLICACIÓN.	MX278812	9/7/2010	PA/a/2006/005351		Issued
968562-28932	DE	Conditional access overlay partial encryption using mpeg transport continuity counter	EP1709805	5/21/2008	EP05705533	1/12/2005	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968562-28933	FR	Conditional access overlay partial encryption using mpeg transport continuity counter	EP1709805	5/21/2008	EP05705533	1/12/2005	Issued
968562-28939	GB	Conditional access overlay partial encryption using mpeg transport continuity counter	EP1709805	5/21/2008	EP05705533	1/12/2005	Issued
968562-28940	NL	Conditional access overlay partial encryption using mpeg transport continuity counter	EP1709805	5/21/2008	EP05705533	1/12/2005	Issued
968274	US	Proactive reboot	US7149889	12/11/2006	US10/317,879	12/12/2002	Issued
968284	US	Interactive discovery of display device characteristics	US8161388	4/17/2012	US10/761,777	1/21/2004	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968284-28660	WO	Interactive discovery of display device characteristics			WOUS2005001812	1/20/2005	Expired
968284-28749	CA	Interactive discovery of display device characteristics	CA2554208	3/12/2013	CA2554208	1/20/2005	Issued
968348	US	Dynamically changing communication modes	US7523479	4/21/2009	US10/237,400	9/9/2002	Issued
968348-28668	CA	Dynamically changing communication modes	CA2498278	5/27/2014	CA2498278	8/18/2003	Issued
968348-28669	WO	Dynamically changing communication modes			WOUS0325730	8/18/2003	Expired

CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968361	US	Networked multimedia system	US7908625	3/15/2011	US10/342,670	1/15/2003	Issued
968361-28675	CA	Networked multimedia system	CA2501107	1/25/2011	CA2501107	10/1/2003	Issued
968361-28676	EP	Networked multimedia system	EP1552699	12/18/2013	EP03799378	10/1/2003	Issued
968361-28677	WO	Networked multimedia system			WOU50331109	10/1/2003	Expired
968361-37373	FR	Networked multimedia system	EP1552699	12/18/2013	EP03799378	10/1/2003	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968361-37374	DE	Networked multimedia system	EP1552699	12/18/2013	EP03799378	10/1/2003	Issued
968361-37375	GB	Networked multimedia system	EP1552699	12/18/2013	EP03799378	10/1/2003	Issued
968373	US	Authorization of services in a conditional access system	US6971008	11/29/2005	US10/287,913	11/5/2002	Issued - Possibly Expired without term adjustment
968386	US	Systems and methods for operating a peripheral record/playback device in a networked multimedia system	US7360235	4/15/2008	US10/437,556	5/14/2003	Issued
968386-28688	CA	Systems and methods for operating a peripheral record/playback device in a networked multimedia system	CA2501865	1/18/2011	CA2501865	10/15/2003	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968386-28689	EP	Systems and methods for operating a peripheral record/playback device in a networked multimedia system			EP03777604	10/15/2003	Refused
968386-28690	WO	Systems and methods for operating a peripheral record/playback device in a networked multimedia system			WOUS0332527	10/15/2003	Expired
968414	US	Resource-adaptive management of video storage	US7966642	6/21/2011	US10/663,037	9/15/2003	Issued
968414-26003	CA	Resource-adaptive management of video storage	CA2539120	2/11/2014	CA2539120	9/14/2004	Issued
968414-26004	JP	Resource adaptation of video storage			JP2006526399	9/14/2004	*Abandoned to Cisco's knowledge

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968414-26005	MX	Resource-adaptive management of video storage.			MXPA06002972	3/15/2006	*Issued to Cisco's knowledge
968414-26006	EP	Resource-adaptive management of video storage			EP04788743	9/14/2004	Pending
968414-28693	WO	Resource-adaptive management of video storage			WOUS2004030012	9/14/2004	Expired
968446	US	Method and apparatus for geographically limiting service in a conditional access system	US6744892	6/1/2004	US10/377,416	3/3/2003	Expired
968448	US	Method for partially encrypting program data	US8577033	11/5/2013	US10/602,987	6/25/2003	Issued - Possibly Expired without term adjustment

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968499	US	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system	US7224798	5/29/2007	US10/629,839	7/30/2003	Issued - Possibly Expired without term adjustment
968499-26060	CA	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system	CA2544623	5/4/2010	CA2544623	6/18/2004	Issued
968499-26061	JP	In the conditional access overlay system partial dual method in order to offer the stream which is encoded and			JP2006517390	6/18/2004	*Abandoned to Cisco's knowledge
968499-26062	MX	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system.			MXPA05014208	12/21/2005	*Issued to Cisco's knowledge
968499-26063	KR	Methods and apparatus for providing a partial dual encrypted stream in a conditional access overlay system	KR101096975	12/20/2011	KR20057024790	6/18/2004	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968499-26064	EP	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system	EP1656792	8/14/2013	EP04755595	6/18/2004	Issued
968499-28715	WO	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system			WOUS2004019508	6/18/2004	Expired
968499-37549	FR	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system	EP1656792	8/14/2013	EP04755595	6/18/2004	Issued
968499-37550	DE	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system	EP1656792	8/14/2013	EP04755595	6/18/2004	Issued
968499-37551	GB	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system	EP1656792	8/14/2013	EP04755595	6/18/2004	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968501	US	Processing an MPEG elementary stream in a conditional access overlay environment	US7555123	6/30/2009	US10/908,169	4/29/2005	Issued
968501-28746	WO	Processing an mpeg elementary stream in a conditional access overlay environment			WOUS2006016112	4/27/2006	Expired
968501-28857	CA	Processing an mpeg elementary stream in a conditional access overlay environment	CA2606395	1/17/2012	CA2606395	4/27/2006	Issued
968501-28858	CN	Processing MPEG elementary stream in a conditional access overlay environment	CN101167359	2/13/2013	CN200680014605	4/27/2006	Issued
968501-28859	KR	Processing an mpeg elementary stream in a conditional access overlay environment	KR101268623	5/31/2013	KR20077024825	10/26/2007	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968501-28860	IN	Processing an mpeg elementary stream in a conditional access overlay environment			IN5167/CHENP/2007	11/16/2007	*Pending to Cisco's knowledge
968501-28861	EP	Processing an mpeg elementary stream in a conditional access overlay environment			EP06758703	4/27/2006	Pending
968511	US	Method for partially encrypting program data	US8542830	9/24/2013	US10/602,988	6/25/2003	Issued - Possibly Expired without term adjustment
968537	US	Partial dual-encrypted stream utilizing program map tables			US10/719,161	11/21/2003	Abandoned
968537-26065	CA	A partial dual-encrypted stream utilizing program map tables	CA2530276	8/7/2012	CA2530276	6/18/2004	Issued

EPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968537-28720	WO	A partial dual-encrypted stream utilizing program map tables			WOUS2004019322	6/18/2004	Expired
968537-28736	EP	A partial dual-encrypted stream utilizing program map tables	EP1642459	6/11/2014	EP04755475	6/18/2004	Issued
968537-43554	FR	A partial dual-encrypted stream utilizing program map tables	EP1642459	6/11/2014	EP04755475	6/18/2004	Issued
968537-43555	DE	A partial dual-encrypted stream utilizing program map tables	EP1642459	6/11/2014	EP04755475	6/18/2004	Issued
968537-43556	GB	A partial dual-encrypted stream utilizing program map tables	EP1642459	6/11/2014	EP04755475	6/18/2004	Issued

CPI #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968562	US	Conditional access overlay partial encryption using MPEG transport continuity counter	US7490236	2/10/2009	US10/757,636	1/14/2004	Issued
968562-25981	JP	The overlay system of the conditionality access which uses part encoding which used the continual counter for MPEG			JP2006549555	1/12/2005	*Abandoned to Cisco's knowledge
968562-25982	CA	Conditional access overlay partial encryption using mpeg transport continuity counter	CA2553022	1/11/2011	CA2553022	1/12/2005	Issued
968562-28723	WO	Conditional access overlay partial encryption using mpeg transport continuity counter			WOUS2005000919	1/12/2005	Expired
968570	US	Retrieval and transfer of encrypted hard drive content from DVR set-top boxes	US7630499	12/8/2009	US10/920,926	8/18/2004	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968570-25944	WO	Retrieval and transfer of encrypted hard drive content from dvr set-top boxes			WOUS2005028753	8/12/2005	Expired
968570-28775	MX	Retrieval and transfer of encrypted hard drive content from dvr set-top boxes.			MX2007001899	2/15/2007	*Issued to Cisco's knowledge
968570-28776	JP	The system and the method where you collect and move the contents which are encoded from the set top box which collection and it moves			JP2007527891	8/12/2005	Abandoned
968570-28777	CA	Retrieval and transfer of encrypted hard drive content from dvr set-top boxes	CA2577327	12/4/2012	CA2577327	8/12/2005	Issued
968570-28783	EP	Retrieval and transfer of encrypted hard drive content from dvr set-top boxes			EP05785049	8/12/2005	Pending

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968581	US	Full duplex wideband communications system for a local coaxial network	US8094640	1/10/2012	US10/924,077	8/23/2004	Issued
968581-25947	WO	Full duplex wideband communications system for a local coaxial network			WOUS2005029336	8/18/2005	Expired
968583	US	Lower-power standby mode for consumer electronics	US7546618	6/9/2009	US10/880,777	6/30/2004	Issued
968583-25936	WO	Lower-power standby mode for consumer electronics			WOUS2005023673	6/30/2005	Expired
968583-26048	MX	Lower-power standby mode for consumer electronics.			MXPA06014703	12/14/2006	*Issued to Cisco's knowledge

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968583-26049	EP	Lower-power standby mode for consumer electronics	EP1766976	12/4/2013	EP05769468	6/30/2005	Issued
968583-26087	CA	Lower-power standby mode for consumer electronics	CA2571767	9/6/2011	CA2571767	6/30/2005	Issued
968583-40037	FR	Lower-power standby mode for consumer electronics	EP1766976	12/4/2013	EP05769468	6/30/2005	Issued
968583-40038	DE	Lower-power standby mode for consumer electronics	EP1766976	12/4/2013	EP05769468	6/30/2005	Issued
968583-40039	GB	Lower-power standby mode for consumer electronics	EP1766976	12/4/2013	EP05769468	6/30/2005	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968587	US	Networked multimedia overlay system	US7545935	6/9/2009	US10/842,823	5/11/2004	Issued
968587-26040	MX	Networked multimedia overlay system			MXPA06013083	11/10/2006	*Issued to Cisco's knowledge
968587-26041	CA	Networked multimedia overlay system	CA2566742	9/24/2013	CA2566742	5/10/2005	Issued
968587-26042	EP	Networked multimedia overlay system			EP05748223	5/10/2005	Pending
968587-28724	WO	Networked multimedia overlay system			WOUS2005016290	5/10/2005	Expired

CPGL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968609	US	PRE-RECORDED DVD AD INSERTION			US10/907,536	4/5/2005	Abandoned
968609-28740	WO	Pre-recorded dvd ad insertion			WOUS2006010815	3/24/2006	Expired
968609-28850	CA	Pre-recorded dvd ad insertion	CA2603261	10/21/2014	CA2603261	3/24/2006	Issued
968609-28851	EP	Pre-recorded dvd ad insertion			EP06739537	3/24/2006	Pending
968619	US	System and method for adaptive video processing with coordinated resource allocation	US7869505	1/11/2011	US10/854,874	5/27/2004	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968634	US	Systems and methods for prioritizing the storage location of media data	US8208796	6/26/2012	US11/405,205	4/17/2006	Issued
968634-28812	WO	Systems and methods for prioritizing the storage location of media data			WOUS2007066681	4/16/2007	Expired
968634-28905	EP	Systems and methods for prioritizing the storage location of media data			EP07781952	4/16/2007	Pending
968634-28950	CA	Systems and methods for prioritizing the storage location of media data	CA2652745	6/18/2013	CA2652745	4/16/2007	Issued
968675	US	Selection and retention of buffered media content	US8620135	1/17/2008	US11/772,966	7/3/2007	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968699	US	Provisional load sharing buffer for reducing hard disk drive (HDD) activity and improving reliability and lifetime	US7818474	10/19/2010	US11/537,037	9/29/2006	Issued
968699-28856	WO	Provisional load sharing buffer for reducing hard disk drive (hdd) activity and improving reliability and lifetime			WOUS2007079362	9/25/2007	Expired
968699-28925	EP	Provisional load sharing buffer for reducing hard disk drive (hdd) activity and improving reliability and lifetime			EP07843098	9/25/2007	Pending
968699-29074	CA	Provisional load sharing buffer for reducing hard disk drive (hdd) activity and improving reliability and lifetime	CA2664796	7/8/2014	CA2664796	9/25/2007	Issued
968726	US	Methods and apparatus for providing a partial dual-encrypted stream in a conditional access overlay system	US7805399	9/28/2010	US11/739,161	4/24/2007	Issued - Possibly Expired without term adjustment

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968739	US	Systems and methods for operating a peripheral record playback device in a networked multimedia system	US8627385	1/7/2014	US11/943,077	11/20/2007	Issued
968748	US	Preventing unauthorized poaching of set top box assets	US8108680	1/31/2012	US11/781,412	7/23/2007	Issued
968748-26014	WO	Preventing unauthorized poaching of set top box assets			WOUS2008070707	7/22/2008	Expired
968748-29165	EP	Preventing unauthorized poaching of set top box assets			EP08782173	7/22/2008	Pending
968748-29166	CA	Preventing unauthorized poaching of set top box assets			CA2694201	7/22/2008	Pending

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968756	US	Systems and methods of assembling an elementary stream from an encapsulated multimedia transport stream	US7895635	2/22/2011	US11/829,309	7/27/2007	Issued
968756-26015	WO	Systems and methods of assembling an elementary stream from an encapsulated multimedia transport stream			WOUS2008070691	7/22/2008	Expired
968756-29403	EP	Systems and methods of assembling an elementary stream from an encapsulated multimedia transport stream			EP08782167	7/22/2008	Pending
968756-29404	CA	Systems and methods of assembling an elementary stream from an encapsulated multimedia transport stream			CA2694193	7/22/2008	Pending
968767	US	User Preference Television Advertising			US11/963,942	12/24/2007	Abandoned

CPGL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968768	US	Selective Advertising Presentations			US11/963,951	12/24/2007	Abandoned
968769	US	Triggering of Television Advertisements			US11/963,945	12/24/2007	Abandoned
968773	US	Full duplex wideband communications system for a local coaxial network	US8230470	7/24/2012	US12/036,329	2/25/2008	Issued
968781	US	Controlled cryptoperiod timing to reduce decoder processing load	US7949133	5/24/2011	US11/861,328	9/26/2007	Issued
968781-28956	WO	Controlled cryptoperiod timing to reduce decoder processing load			WOUS2008077157	9/22/2008	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968781-29507	EP	Controlled cryptoperiod timing to reduce decoder processing load			EP08833391	9/22/2008	Pending
968781-29508	CN	Controlled cryptoperiod timing to reduce decoder processing load	CN101953160	1/23/2013	CN200880108773	9/22/2008	Issued
968785	US	Management and Processing of Electronic Advertisement Information			US12/390,420	2/21/2009	Abandoned
968786	US	System and Method for Conveyance of Preferred Advertisement Categories			US12/390,419	2/21/2009	Abandoned
968787	US	Configuration and Selection of Advertisements by Product Name Brands			US12/390,418	2/21/2009	Abandoned

CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968788	US	Characterization of Advertisements into Selectable Subcategories			US12/389,777	2/20/2009	Abandoned
968789	US	Enabling Advertisements in Designated Periods of a Recurring Schedule			US12/389,774	2/20/2009	Abandoned
968790	US	DETERMINING DEVICE THAT PERFORMS PROCESSING OF OUTPUT PICTURES			US12/414,721	3/31/2009	Abandoned
968793	US	Authentication of entitlement authorization in conditional access systems	US8095785	1/10/2012	US12/364,785	2/3/2009	Issued
968799	US	Retrieval and transfer of encrypted hard drive content from DVR set-top boxes to a content transcription device	US8130965	3/6/2012	US11/942,778	11/20/2007	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968807	US	Home Communication Systems	US8966550	2/24/2015	US12/056,812	3/27/2008	Issued
968816	US	Partial dual-encryption using program map tables	US8396216	6/11/2009	US12/352,712	1/13/2009	Issued
968819	US	Interactive session establishment based on initiation failure detection	US7650622	1/19/2010	US12/362,823	1/30/2009	Issued
968825	US	SYSTEM AND METHOD FOR ASSESSING VIEWING STATUS OF TELEVISION ADVERTISEMENT			US12/372,979	2/18/2009	Abandoned
968846	US	Systems and methods of deferred error recovery	US8239739	8/7/2012	US12/364,950	2/3/2009	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968852	US	Hyperlinked media objects in personal video recording	US7793330	9/7/2010	US12/388,731	2/19/2009	Issued
968853	US	Interactive Consumption of Advertisements with Respectively Value Levels			US12/390,422	2/21/2009	Abandoned
968854	US	TV Advertisements Download Management			US12/390,421	2/21/2009	Abandoned
968888	US	DVD playback over multi-room by copying to HDD	US8280229	10/2/2012	US12/273,886	11/19/2008	Issued
968921	US	Encryption and utilization of hard drive content	US8208630	6/26/2012	US12/551,300	8/31/2009	Issued

CPQL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
969053	US	Remote control for a set-top box	USD636761	4/26/2011	US29/375,957	9/30/2010	Issued
969213	US	Signalling of decodable sub-sequences	US8326131	12/4/2012	US12/709,851	2/22/2010	Issued
969213-29489	WO	Signalling of decodable sub-sequences			WOUS2010024927	2/22/2010	Expired
969518	US	Reconciling digital content at a digital media device	US8548303	10/1/2013	US12/925,973	11/3/2010	Issued
975182	US	Generated set top calibration patterns in manufacturing	US8295338	10/23/2012	US13/157,382	6/10/2011	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
978553	US	Determining Device That Performs Processing of Output Pictures			US13/438,511	4/3/2012	Pending
993361	US	Enabling Advertisements in Designated Periods of a Recurring Schedule			US14/294,624	6/3/2014	Pending
953824	US	Time-shifted transport of multi-latticed video for resiliency from burst-error effects	US8705631	4/22/2014	US12/141,015	6/17/2008	Issued
953824-25292	WO	Time-shifted transport of multi-latticed video for resiliency from burst-error effects			WOUS2009047521	6/16/2009	Expired
953824-30072	EP	Time-shifted transport of multi-latticed video for resiliency from burst-error effects			EP09767598	6/16/2009	Withdrawn

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
953824-30073	CN	Time-shifted transport of multi-latticed video for resiliency from burst-error effects	CN102067592B	11/6/2013	CN200980123108	6/16/2009	Issued
966069	US	Optimizing bandwidth utilization to a subscriber premises	US8189472	5/29/2012	US11/162,345	9/7/2005	Issued
966069-26096	WO	Optimizing data rate for video services			WOUS2006033965	8/31/2006	Expired
966069-28865	CA	Optimizing data rate for video services	CA2621605	8/6/2013	CA2621605	8/31/2006	Issued
966069-28866	EP	Optimizing data rate for video services			EP06802683	8/31/2006	Pending

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966146	US	Disk driver cluster management of time shift bufer with file allocation table structure			US11/275,270	12/21/2005	Abandoned
966194	US	Optimizing data rates for video services to a subscriber	US7961643	6/14/2011	US12/179,752	7/25/2008	Issued
966195	US	Providing Video Content to a Subscriber While Minimizing Transmission Channel Capacity			US12/179,763	7/25/2008	Abandoned
966266	US	Quality of service management in a switched digital video environment	US7742407	6/22/2010	US11/164,102	11/10/2005	Issued
966266-26076	WO	Quality of service management in a switched digital video environment			WOUS2006060700	11/9/2006	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966266-28930	CA	Quality of service management in a switched digital video environment			CA2629310	11/9/2006	Pending
966266-28931	EP	Quality of service management in a switched digital video environment			EP06850129	11/9/2006	Pending
966282	US	Error concealment of plural processed representations of a single video signal received in a video program	US8320465	11/27/2012	US12/616,974	11/12/2009	Issued
967740	US	Context sensitive television menu	US7290274	10/30/2007	US09/693,606	10/20/2000	Issued
967740-28316	CA	Context sensitive television menu	CA2426022	7/22/2008	CA2426022	10/15/2001	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967740-28317	EP	Context sensitive television menu			EP01989020	10/15/2001	Refused
967740-28318	WO	Context sensitive television menu			WOUS0131973	10/15/2001	Expired
967912	US	Integrated searching system for interactive media guide	US8516525	8/20/2013	US09/693,790	10/20/2000	Issued
967995	US	System and method for media processing with adaptive resource access priority assignment	US6996838	2/7/2006	US09/879,307	6/12/2001	Issued
968041	US	System and method for archiving multiple downloaded recordable media content	US7512964	3/31/2009	US09/896,390	6/29/2001	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968060	US	Positive parental control	US7690012	3/30/2010	US10/085,411	2/28/2002	Issued
968060-28510	CA	Positive parental control	CA2477438	10/9/2012	CA2477438	2/27/2003	Issued
968060-28511	EP	Positive parental control			EP03713733	2/27/2003	Pending
968060-28512	WO	Positive parental control			WOUS0305971	2/27/2003	Expired
968098	US	Disk driver cluster management of time shift buffer with file allocation table structure	US7194563	3/20/2007	US10/005,628	12/5/2001	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No	Application Filing Date	Status
968098-28571	CA	Disk driver cluster management of time shift buffer with file allocation table structure	CA2469402	5/31/2011	CA2469402	11/21/2002	Issued
968098-28572	EP	Disk driver cluster management of time shift buffer with file allocation table structure	EP1451686	8/22/2012	EP02782336	11/21/2002	Issued
968098-28573	WO	Disk driver cluster management of time shift buffer with file allocation table structure			WOUS0237282	11/21/2002	Expired
968098-36193	FR	Disk driver cluster management of time shift buffer with file allocation table structure	1451686	22-Aug-12	EP02782336	21-Nov-02	Issued
968098-36194	DE	Disk driver cluster management of time shift buffer with file allocation table structure	1451686	8/22/2012	EP02782336	11/21/2002	Issued

CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968098-36195	GB	Disk driver cluster management of time shift buffer with file allocation table structure	1451686	22-Aug-12	EP02782336	21-Nov-02	Issued
968272	US	Downloadable remotely stored device drivers for communication with set-top box peripherals	US7765280	7/27/2010	US10/289,197	11/6/2002	Issued
968633	US	Disk driver cluster management of time shift buffer with file allocation table structure			US11/275,267	12/21/2005	Abandoned
968659	US	Disk driver cluster management of time shift buffer	US7380029	5/27/2008	US11/381,889	5/5/2006	Issued
968660	US	Disk driver cluster management of time shift buffer with file allocation table structure	US7769925	8/3/2010	US11/381,892	5/5/2006	Issued

CPC Class	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968691	US	System and method for signaling characteristics of pictures' interdependencies			US11/627,452	1/26/2007	Abandoned
968691-28882	WO	System and method for signaling characteristics of pictures' interdependencies			WOUS2007083867	11/7/2007	Expired
968691-28928	EP	System and method for signaling characteristics of pictures' interdependencies			EP07844937	11/7/2007	Withdrawn
968691-29090	CA	System and method for signaling characteristics of pictures' interdependencies			CA2669552	11/7/2007	Abandoned – Revived, now Pending
968706	US	Disk driver cluster management of time shift buffer with file allocation table structure	US7779181	8/17/2010	US11/679,625	2/27/2007	Issued

CPOL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968732	US	Context sensitive television menu	US8776134	7/8/2014	US11/873,582	10/17/2007	Issued
968755	US	Systems and methods of differentiated requests for network access	US8776160	7/8/2014	US11/829,274	7/27/2007	Issued
968755-26010	WO	Systems and methods of differentiated requests for network access			WOUS2008070851	7/23/2008	Expired
968755-29188	EP	Systems and methods of differentiated requests for network access			EP08796472	7/23/2008	Pending
968755-29189	CN	Systems and methods of differentiated requests for network access	CN101803359B	6/5/2013	CN200880100567	7/23/2008	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968760	US	Indicating picture usefulness for playback optimization	US8875199	10/28/2014	US11/831,916	7/31/2007	Issued
968760-26008	WO	Indicating picture usefulness for playback optimization			WOUS2008071621	7/30/2008	Expired
968760-29470	EP	Indicating picture usefulness for playback optimization			EP08796875	7/30/2008	Pending
968782	US	Managing Bandwidth Allocation to a Plurality of Subscribers Utilizing Opportunistic Bandwidth			US12/179,767	7/25/2008	Abandoned
968791	US	System and method for characterization of purchasable and recordable media (PRM)	US8640172	1/28/2014	US12/413,686	3/30/2009	Issued

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968798	US	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	US8259814	9/4/2012	US12/617,062	11/12/2009	Issued
968798-29116	WO	Processing of a video [aar] program having plural processed representations of a [aar] single video signal for reconstruction and output			WOUS2009064180	11/12/2009	Expired
968798-30332	EP	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	EP2356812	6/10/2015	EP09826735	11/12/2009	Issued
968798-30333	CN	Processing of a video [AAR] program having plural processed representations of a [AAR] single video signal for reconstruction and output	CN102210147B	7/2/2014	CN200980145072	11/12/2009	Issued
968798-44496	FR	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	EP2356812	6/10/2015	EP09826735	11/12/2009	Issued

CPCLB	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968798-44497	DE	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	EP2356812	6/10/2015	EP09826735	11/12/2009	Issued
968798-44498	GB	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	EP2356812	6/10/2015	EP09826735	11/12/2009	Issued
968809	US	Targeted bit appropriations based on picture importance	US8681876	3/25/2014	US12/617,043	11/12/2009	Issued
968817	US	Processing and managing pictures at the concatenation of two video streams	US8155207	4/10/2012	US12/351,785	1/9/2009	Issued
968856	US	Signaling of potential splice points in a video stream			US12/389,737	2/20/2009	Abandoned

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968859	US	Facilitating fast channel changes through promotion of pictures	US8259817	9/4/2012	US12/617,015	11/12/2009	Issued
968861	US	Conveyance of Picture Information Related To Picture Processing Times			US12/390,470	2/22/2009	Abandoned
968862	US	Simplified Identification of Certain Pictures in a Video Stream			US12/390,469	2/21/2009	Abandoned
968863	US	Prioritizing Picture Processing Other Than By Picture Type			US12/390,468	2/21/2009	Abandoned
968864	US	Conveyance of Picture Properties Other Than By Picture Type			US12/390,467	2/21/2009	Abandoned

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968870	US	Picture Relevance By Compressed Size			US12/390,462	2/21/2009	Abandoned
968909	US	Assistance for processing pictures in concatenated video streams			US12/351,776	1/9/2009	Abandoned
968917	US	Processing latticed and non-latticed pictures of a video program	US8761266	6/24/2014	US12/616,991	11/12/2009	Issued
979530	US	Processing and managing splice points for the concatenation of two video streams	US8804843	8/12/2014	US13/443,580	4/10/2012	Issued
980389	US	Providing Video Content to a Subscriber While Minimizing Transmission Channel Capacity			US13/482,497	5/29/2012	Pending

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
993362	US	Receiving and Processing Multi-Latticed Video			US14/313,266	6/24/2014	Pending
995830	US	Managing splice points for non-seamless concatenated bitstreams			US14/457,236	8/12/2014	Pending
951786	US	Non-enhancing media redundancy coding for mitigating transmission impairments	US8804845	8/12/2014	US11/831,906	7/31/2007	Issued
953992	US	Simultaneous processing of media and redundancy streams for mitigating impairments	US8958486	2/17/2015	US11/831,912	7/31/2007	Issued
997471	US	Mitigating Impairments In Redundant Streams			US14/593,098	1/9/2015	Pending

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
953992-24640	WO	Simultaneous processing of media and redundancy streams for mitigating impairments			WOUS2008071111	7/25/2008	Expired
953992-29136	EP	Simultaneous processing of media and redundancy streams for mitigating impairments	EP2171903	1/30/2013	EP08796584	7/25/2008	Issued
953992-29137	CA	Simultaneous processing of media and redundancy streams for mitigating impairments	CA2693389	6/17/2014	CA2693389	7/25/2008	Issued
953992-36991	FR	Simultaneous processing of media and redundancy streams for mitigating impairments	EP2171903	1/30/2013	EP08796584	7/25/2008	Issued
953992-36992	DE	Simultaneous processing of media and redundancy streams for mitigating impairments	EP2171903	1/30/2013	EP08796584	7/25/2008	Issued

CPC Class	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
953992-36993	GB	Simultaneous processing of media and redundancy streams for mitigating impairments	EP2171903	1/30/2013	EP08796584	7/25/2008	Issued
959143	US	Methods and systems for processing multi-latticed video streams	US8699578	4/15/2014	US12/141,017	6/17/2008	Issued
993306	US	Methods and systems for processing multi-latticed video streams			US14/253,043	4/15/2014	Pending
967658	US	Subscriber television system user interface with a virtual reality media space	US6795972	9/21/2004	US09/896,391	6/29/2001	Issued
967658-28238	WO	Subscriber television system user interface with a virtual reality media space			WO02/0220297	6/26/2002	Expired

CPOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967704	US	Method and system for uniform resource identification and access to television services	US6738982	5/18/2004	US09/564,262	5/4/2000	Issued
967704-28279	BR	Method and system for uniform resource identification and access to television services			BR200110447	5/2/2001	*Abandoned to Cisco's knowledge
967704-28280	CA	Method and system for uniform resource identification and access to television services			CA2408280	5/2/2001	Lapsed
967704-28281	EP	Method and system for uniform resource identification and access to television services			EP01937208	5/2/2001	Withdrawn
967704-28282	JP	Method and system for uniform resource identification and access to television services			JP2001581537	5/2/2001	Abandoned

CPD #	Country	Title	Base Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967704-28283	WO	Method and system for uniform resource identification and access to television services			WOUS0114147	5/2/2001	Expired
967714	US	Method of identifying multiple digital streams within a multiplexed signal	US7298846	11/20/2007	US09/729,523	12/4/2000	Issued
968738	US	Method of identifying multiple digital streams within a multiplexed signal	US7903815	3/8/2011	US11/931,701	10/31/2007	Issued
967714-28294	WO	Method of identifying multiple digital streams within a multiplexed signal			WOUS0033518	12/12/2000	Expired
967746	US	System and method for providing user-defined media presentations	US7395547	7/1/2008	US09/827,470	4/6/2001	Issued

CPDL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
967746-28325	CA	System and method for providing user-defined media presentations	CA2443659	1/25/2011	CA2443659	3/27/2002	Issued
967746-28326	EP	System and method for providing user-defined media presentations			EP02719357	3/27/2002	Refused
967746-28327	WO	System and method for providing user-defined media presentations			WOUS0209358	3/27/2002	Expired
967791	US	Method and apparatus for tagging media presentations with subscriber identification information	US7158185	1/2/2007	US09/847,016	5/1/2001	Issued
968038	US	Application management and interface for cluster control of time shift buffer	US7551832	6/23/2009	US10/010,781	12/5/2001	Issued

CPCL#	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968038-28500	CA	Application management and interface for cluster control of time shift buffer	CA2469517	8/9/2011	CA2469517	11/21/2002	Issued
968038-28501	EP	Application management and interface for cluster control of time shift buffer			EP02782347	11/21/2002	Pending
968038-28502	WO	Application management and interface for cluster control of time shift buffer			WOUS0237434	11/21/2002	Expired
968108	US	Composite buffering	US6971121	11/29/2005	US10/102,043	3/20/2002	Issued
968108-28577	CA	Composite buffering	CA2479347	1/31/2012	CA2479347	3/19/2003	Issued

CPDL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968108-28578	EP	Composite buffering			EP03745157	3/19/2003	Pending
968108-28579	WO	Composite buffering			WOUS0308597	3/19/2003	Expired
968187	US	Pvr channel and pvr ipg information	US8181205	5/15/2012	US10/253,115	9/24/2002	Issued
980186	US	Pvr channel and pvr ipg information			US13/471,682	5/15/2012	Pending
968187-28604	CA	Pvr channel and pvr ipg information	CA2499920	4/23/2013	CA2499920	9/19/2003	Issued

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968187-28605	EP	Pvr channel and pvr ipg information			EP03749748	9/19/2003	Pending
968187-28606	WO	Pvr channel and pvr ipg information			WOUS0329298	9/19/2003	Expired
968298	US	Adaptive communication modes	US7423982	9/9/2008	US10/237,299	9/9/2002	Issued
968298-28661	CA	Adaptive communication modes	CA2498280	1/11/2011	CA2498280	8/18/2003	Issued
968298-28662	WO	Adaptive communication modes			WOUS0325733	8/18/2003	Expired

C/Pt. #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968442	US	Secure negotiation and encryption module	US7519999	4/14/2009	US10/789,337	2/27/2004	Issued
968442-25990	CA	Secure negotiation and encryption module	CA2557824	12/14/2010	CA2557824	2/18/2005	Issued
968442-25991	MX	Secure negotiation and encryption module	261837	10/31/2008	PA/a/2006/009708	2/18/2005	Issued
968442-26074	EP	Secure negotiation and encryption module	EP1726156	4/10/2013	EP05723398	2/18/2005	Issued
968442-28704	WO	Secure negotiation and encryption module			WOUS2005005421	2/18/2005	Expired

CPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968442-37211	FR	Secure negotiation and encryption module	EP1726156	4/10/2013	EP05723398	2/18/2005	Issued
968442-37212	DE	Secure negotiation and encryption module	EP1726156	4/10/2013	EP05723398	2/18/2005	Issued
968442-37213	GB	Secure negotiation and encryption module	EP1726156	4/10/2013	EP05723398	2/18/2005	Issued
968626	US	Multiplexing octets from a data flow over mpeg packets	US7590145	9/15/2005	US10/881,258	6/30/2004	Issued
968808	US	Multiplexing octets from a data flow over mpeg packets	US7965722	6/21/2011	US12/116,491	5/7/2008	Issued

EPCL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968626-25937	WO	Multiplexing octets from a data flow over mpeg packets			WOUS2005023080	6/30/2005	Expired
968626-28771	CA	Multiplexing octets from a data flow over mpeg packets			CA2571686	6/30/2005	Lapsed
968626-28772	EP	Multiplexing octets from a data flow over mpeg packets			EP05788873	6/30/2005	Withdrawn
968626-28852	EP	Multiplexing octets from a data flow over mpeg packets			EP07017199	6/30/2005	Refused
970358	US	Dynamic streaming with latticed representations of video	US8279926	10/2/2012	US12/819,157	6/18/2010	Issued

CPI# #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
982195	US	Dynamic streaming with latticed representations of video			US13/633,672	10/2/2012	Pending
958971-44351	FR	Manual playback overshoot correction	EP2394430	4/22/2015	EP10704864	2/5/2010	Issued
958971-44352	DE	Manual playback overshoot correction	EP2394430	4/22/2015	EP10704864	2/5/2010	Issued
958971-44353	GB	Manual playback overshoot correction	EP2394430	4/22/2015	EP10704864	2/5/2010	Issued
966006	US	Settop cable television control device and method including bootloader software and code version table for maintaining and updating settop receiver operating system software	7774820	8/10/2010	11/046,305	1/28/2005	Issued

CPD #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
966123-44948	CA	Digital media device having media content transfer capability			CA2900104	6/22/2007	Pending
966678-26921	BR	Logical and composite channel mapping in an MPEG network	PI9713046-0	10/7/2014	PI9713046-0	11/10/1997	*Issued to Cisco's Knowledge
966678-26922	EP	Logical and composite channel mapping in an MPEG network			EP97951429.6	11/10/1997	Abandoned
966678-26923	JP	Logical and composite channel mapping in an MPEG network	JP3443122	6/20/2003	JP10-524679	11/10/1997	*Issued to Cisco's Knowledge
966678-26924	WO	Logical and composite channel mapping in an MPEG network			WOUS97/20500	11/10/1997	Expired

CFOL #	Country	Title	Issued Patent Number	Issue Date	Application Serial No.	Application Filing Date	Status
968798-44949	ES	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	EP2356812	6/10/2015	EP09826735	11/12/2009	Issued
968798-44950	IT	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	EP2356812	6/10/2015	EP09826735	11/12/2009	Issued
968798-44951	TR	Processing of a video program having plural processed representations of a single video signal for reconstruction and output	EP2356812	6/10/2015	EP09826735	11/12/2009	Issued
999335-US.01	US	System and method for call-less activation of one-way STB			62/247873	10/29/2015	Pending