

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3743615

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THOMSON LICENSING	12/31/2010
RECEIVING PARTY DATA		
Name:	GVBB HOLDINGS S.A.R.L.	
Street Address:	412 F, ROUTE D'ESCH	
City:	LUXEMBOURG	
State/Country:	LUXEMBOURG	
Postal Code:	L-2086	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14247068
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Email:	PATENTDocket@arentFox.com	
Correspondent Name:	ARENT FOX LLP	
Address Line 1:	555 WEST FIFTH STREET	
Address Line 2:	48TH FL	
Address Line 4:	LOS ANGELES, CALIFORNIA 90013	
ATTORNEY DOCKET NUMBER:	033163.01749 (PO)	
NAME OF SUBMITTER:	PEGGY OCONNOR	
SIGNATURE:	/PEGGY OCONNOR/	
DATE SIGNED:	02/17/2016	
Total Attachments: 33		
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PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement (this "**Agreement**") is entered into between:

THOMSON LICENSING (S.A.S.), a company duly organized and existing under the laws of France, registered under the number 383 461 191 with the Commercial and Companies Registry of Nanterre and having its principal office at 1, Rue Jeanne d'Arc, 92443 Issy les Moulineaux, France, hereinafter referred to as "**Assignor**" or "**Thomson**",

And

GVBB HOLDINGS S.A.R.L., a company duly incorporated and existing under the laws of the Grand-Duché de Luxembourg and having a principal place of business at 412 F, route d'Esch, L-2086 Luxembourg, hereinafter referred to as "**Assignee**".

Assignor and Assignee are sometimes referred to in this Agreement collectively as the "**Parties**" or individually as a "**Party**".

RECITALS

WHEREAS, Technicolor S.A. and certain other subsidiaries of Technicolor S.A., on the one hand, and Assignee, on the other hand, are separately signing an "Agreement for the Sale and Purchase of Grass Valley Broadcast Business" (the "**SPA**");

WHEREAS Assignor is the owner of certain Patents (defined below) related to the Grass Valley Broadcast Business (as such term is defined in the SPA);

WHEREAS, in connection with the SPA, Assignor has agreed to assign to Assignee all its right, title, and interest in and to certain Patents (defined below); and

WHEREAS, Assignee has agreed to accept assignment of the Patents;

NOW, THEREFORE, for the consideration set forth in the SPA, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

1. DEFINITIONS

As used in this Agreement, any capitalized terms shall have the meanings set forth below:

"Effective Date" means the Completion Date as defined in the SPA.

"Companies" means Companies as defined in the SPA.

"Grass Valley Retained Patents" means the Licensed GVG Patents as defined in the Patent License Agreement entered into by the Parties and/or their affiliates on even date herewith ("PLA");

"Grass Valley Transferred Patents" means the Patents set forth in **Exhibit 1**.

"Ownership or control", as used in the definition of Thomson's Affiliates, means (a) any Person which owns or controls or is under common control with, directly or indirectly, Technicolor S.A. in like manner as the ownership or control principles below of this definition, or (b) any Person in which Technicolor owns or controls directly or indirectly, more than fifty percent (50%) in nominal value of the issued equity share capital of such other company, or more than fifty percent (50%) of the shares entitled to vote upon the election of:

- (i) the directors; or
- (ii) Persons performing functions similar to those performed by directors; or
- (iii) Persons otherwise having the right to elect or appoint (a) directors having the majority vote of the Board of Directors or (b) other Persons having the majority vote of the highest and most potent directive body, of such other Person; or
- (iv) provided that such Person shall be deemed to fall within the above definition only so long as such ownership or control exists.

"Patents" means patents, patent applications (including provisionals), filed invention disclosures, utility model rights and published applications therefor, any patent or utility model rights that issue from any of the foregoing, and any reissue, division, continuation, continuation-in-part, renewal or extension of any of the foregoing.

"Person" means any individual, firm, company, corporation or other body corporate, government, state or agency of a state or any joint venture, association or partnership, works council or employee representative body (whether or not having separate legal personality).

"Thomson's Affiliates" means Technicolor S.A. and any Person of which Technicolor S.A. has Ownership or control, as defined above. For the avoidance of doubt, "Thomson's Affiliates" includes Technicolor S.A.

"Unidentified (Additional) Grass Valley Transferred Patents" means Patents, if any, that (i) are owned by Assignor or any Technicolor Affiliate on the Effective Date, (ii) are not identified on Exhibit 1, (iii) are not Grass Valley Retained Patents, (iv) are not reissues, divisions, continuations, continuations-in-part, reexaminations, renewals, substitutions, extensions, or foreign counterparts of (x) Patents identified on Exhibit 1 or (y) Grass Valley Retained Patents and (iv) all inventors of such Patents were employees or consultants of the Companies at the time of either their conception (if such conception was evidenced by invention disclosures duly submitted to the Companies) or reduction to practice of the inventions claimed by such Patents; provided, however, that such Patents are duly identified within six (6) years of the Effective Date (failing which, for the avoidance of doubt, they are deemed to be Licensed GVG Patents and subject to the

terms of the PLA, including amendments, if any, then in effect between Assignor and Assignee, and/or the assigns of either of the foregoing).

2. ASSIGNMENT

2.1 Subject to the terms and conditions of this Agreement, Assignor, on behalf of itself and the Technicolor Affiliates, as necessary, hereby irrevocably transfers and assigns to Assignee all right, title and interest throughout the world in and to (i) the Grass Valley Transferred Patents and Unidentified (Additional) Grass Valley Transferred Patents, (ii) patents that issue therefrom, and future patents and patent applications claiming a priority from any of the foregoing, consisting of reissues, reexaminations, divisions, continuations, continuations-in-part, renewals, reexaminations, substitutions, reissues or extensions of the foregoing, (iii) the right to claim priority from the foregoing and (iv) except as noted below, all rights and causes of action and remedies related to the foregoing (including, without limitation, the right to sue and recover damages and other relief for past, present or future infringement, misappropriation or violation of rights related to the foregoing) ((i)-(iv), collectively referred to as "**Assigned Patent Rights**"). Subject to the terms set forth below, Assignee hereby accepts the transfer and assignment of the Assigned Patent Rights.

Notwithstanding the foregoing, and also to avoid any ambiguity, the foregoing right to sue and recover damages for past damages and other relief for past infringement or misappropriation or violation of Grass Valley Transferred Patents and Unidentified (Additional) Grass Valley Transferred Patents (i) shall only arise in a so-called "defensive" situation where a third party has first asserted its Patents against Assignee, where such assertion is in the form of an action filed with a court or any other Governmental Authority (as such term is defined in the SPA) or written assertion against Assignee and such assertion was accompanied by claim charts (or other written materials providing a reasonable level of details of alleged infringement), and (ii) excludes any other rights as may be separately set forth in any other written agreement or side letter between the Parties.

2.2 Consequently, subject to pre-existing obligations as further described in Section 2.3 (and Exhibit 2 attached hereto), (i) Assignee will have, from the Effective Date, the exclusive and complete right, title and interest in and to the Assigned Patent Rights, and will have the right to exploit, use, assign, license, enforce and dispose of such Assigned Patent Rights and (ii) Assignee will have the right to institute, continue or defend, any suit or action dealing with the Assigned Patent Rights (except as may be otherwise provided in Article 2.1).

2.3 The transfer and assignment of the Assigned Patent Rights is expressly subject to those written commitments made by Assignor and/or Technicolor Affiliates and/or predecessors in interest to such Assigned Patent Rights, which commitments were made prior to the Effective Date. To Seller's knowledge (as such phrase is defined in the SPA with respect to Section 6.11 of the SPA), all such commitments are disclosed in **Exhibit 2** attached hereto; provided, however, that Assignee acknowledges that such list may not be comprehensive (including, for example and without limitation, with

respect to Patents acquired from third parties) and therefore, at any time after the Effective Date, if Assignee, acting reasonably, needs to determine whether a Person is licensed under (or otherwise has rights under) one or more Assigned Patent Rights, Assignee may submit a written inquiry to Assignor and Assignor shall use all reasonable commercial efforts to respond to such request in a timely manner.

3. CONSIDERATION

3.1 The foregoing assignment is expressly acknowledged and confirmed to be concluded for fair and valuable consideration, negotiated on an arms' length basis, to be paid on the Completion Date (as defined in the SPA) to Thomson represented for such purpose by Thomson Licensing LLC (a Thomson Affiliate as designated in **Exhibit 3**), in such manner, and to such account as specified in **Exhibit 3** attached hereto, a non-refundable, non-creditable amount in US Dollars corresponding to €3,000,000 (in words: three million euros) converted at the USD/EUR Euro foreign exchange rates published by the European Central Bank on its website at 3pm CET on December 27, 2010.

3.2 The foregoing payment to Thomson (provided that Thomson is domiciled in France) shall be made free and clear of, and without deduction or withholding for, any present or future Taxes (as such term is defined in the SPA), and in the event any deduction or withholding of Taxes is so levied or imposed, Assignee agrees to pay the full amount of such Taxes and such additional amounts as may be necessary so that such payment will not be less than the amount provided for herein.

4. REPRESENTATIONS AND WARRANTIES

4.1 Assignor represents to Assignee personally that Assignor has sufficient rights to grant the rights granted under this Agreement and perform its obligations under this Agreement, including without limitation on behalf of Thomson's Affiliates, and the grant of such rights and performance of such obligations does not and will not conflict with any agreement or arrangement to which any of Thomson's Affiliates is party to or bound by or by which their Patents is bound.

4.2 Assignor represents to Assignee personally that **Exhibit 4** sets forth a list intended by Assignor to reflect all applicable filings, recordings and other acts, and all fees, taxes and other payments that are required to be made within ninety (90) days after the Effective Date to maintain the validity and enforceability of the Assigned Patent Rights and the Assignee's interest therein. **Exhibit 4** was prepared by Assignor pursuant to the same standard of professional care as Assignor uses for its own internal operations of similar nature.

5. DISCLAIMER

Except as otherwise stated in Article 4 or the SPA, THE ASSIGNED PATENT RIGHTS ARE PROVIDED "AS IS" AND ASSIGNOR EXPRESSLY DISCLAIMS, AND MAKES NO ADDITIONAL WARRANTY OR REPRESENTATION PURSUANT TO THIS

AGREEMENT, EXPRESS OR IMPLIED, OF ANY KIND WITH RESPECT TO ANY OF THEM INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTIES THAT MAY ARISE OUT OF COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE.

6. GENERAL

6.1 Entire Agreement.

This Agreement (including without limitation, the Exhibits attached hereto), the SPA and the PLA contain the entire agreement between the Parties related to the subject matter hereof and supersedes all previous agreements, negotiations, representations and promises between the Parties, whether oral or written, regarding the subject matter hereof.

6.2 No Waiver of rights.

The failure of a Party to insist upon strict adherence to any term of this Agreement on any occasion shall not be considered a waiver or deprive that Party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No waiver shall be effective unless it is in writing and is signed by the Party asserted to have granted such waiver.

6.3 Amendment.

Any amendment to this Agreement or any subsequent agreement among the Parties in respect of the subject matter hereof, shall not be binding on the Parties unless such amendment or agreement is in writing and expressly (i) states that it amends or supersedes this Agreement and (ii) refers to this Section 6.3.

6.4 Severability.

The provisions of this Agreement shall be deemed severable and the invalidity or unenforceability of any provision shall not affect the validity or enforceability of the other provisions hereof. If any provision of this Agreement, or the application thereof to any person or entity, is found by a governmental authority or court of competent jurisdiction to be invalid or unenforceable, (i) the Parties shall amend such provision in accordance with Section 6.3 to obtain a legal, enforceable and valid provision that most nearly effects the Parties' intent in entering into this Agreement, and (ii) the remainder of this Agreement and the application of such Agreement to other persons or entities shall not be affected by such invalidity or unenforceability.

6.5 Transfer of Files; Further Assurances; Official Procedures.

As soon as commercially feasible after the Effective Date, but no later than 90 days thereafter, Assignor shall (i) deliver to Assignee (or its designee) all files in its or Thomson's Affiliates' custody relating to the Assigned Patent Rights and (ii) use its

reasonable commercial efforts to cause to be delivered or transferred to Assignee (or its designee) all files in its or Thomson's Affiliates' control relating to the Assigned Patent Rights, including, in each case of (i) and (ii), all files related to prosecution and enforcement; provided, however that Assignor may retain a copy on condition that it uses the same standard of professional care to preserve the confidentiality thereof (except for matters of public record) that it uses for its own files of similar nature.

Assignor shall, and shall procure that Thomson's Affiliates, as applicable, take all actions (not inconsistent with the other provisions of this Agreement) and execute all documents, in recordable form, necessary or desirable to vest, secure, confirm, perfect, protect, enforce and/or record the interest of Assignee in and to the Assigned Patent Rights in any jurisdiction worldwide, and shall not enter into any agreement in conflict with this Agreement. In particular, upon request of Assignee, Assignor agrees to execute, and/or, as applicable, procure that Thomson's Affiliates execute, as assignor, separate "short form" Assignment Agreements, either in English or as translated into another language, in the form substantially as set forth on **Exhibit 5** attached hereto, (except as adapted to take account of requirements of Patent Offices outside the United States) and which may be submitted to the appropriate Patent Office(s) to confirm the Patent assignments to the Assigned Patent Rights referenced therein. Assignor also further agrees, upon Assignee's request (and at Assignee's expense with respect to Assignor's duly documented out-of-pocket costs, if any, provided that Assignor received prior, written notice of such costs and had the opportunity to retract its request once such costs were identified to Assignor), to reasonably cooperate and to procure, as applicable, the reasonable cooperation of Thomson's Affiliates, with Assignee otherwise to further confirm and perfect the foregoing Patent rights. For the avoidance of doubt, to the extent any of the Assigned Patent Rights are not in compliance with requirements necessary to record and perfect Assignee's interest therein, Assignor shall and shall procure Thomson's Affiliates to execute and record such further documentation as necessary; the foregoing actions to attain compliance being at the expense of Assignor, unless Assignor can reasonably demonstrate that the lack of compliance is due to factors not attributable to Assignor (for example and without limitation, new local laws or regulations relating to recording, or delays by Assignee in seeking the recording).

All filing fees, recording fees and third-party legal fees incurred as a result of effecting the recordation and perfection of Assignee's interest in the Grass Valley Transferred Patents and Unidentified (Additional) Grass Valley Transferred Patents with the appropriate Governmental Entity (as that term is defined in the SPA) shall be borne by Assignee.

6.6 Governing Law and Dispute Resolution.

This Agreement shall be subject to, governed by and construed in accordance with the laws of the State of New York, without giving effect to its conflicts of law provisions. In the event of any dispute arising under or relating to the performance of this Agreement, the Parties shall follow the forum and procedures set forth in Section 19.2 of the SPA.

6.7 Counterparts.

This Agreement may be executed and delivered (including by facsimile transmission) in one or more counterparts, and by the different parties hereto in separate counterparts, each of which when executed shall be deemed to be an original, but all of which taken together shall constitute one and the same agreement.

6.8 Assigns.

Except with respect to Article 4, the rights and obligations of each party under this Assignment shall extend to and be binding on each Party's successors and assigns. Upon written notice to Assignor, Assignee may assign this Agreement, in whole or in part, to one or more Persons who may acquire ownership of any of the Assigned Patent Rights.

6.9 Effective Date.

This Agreement shall become effective upon the Effective Date once duly executed by the authorized representatives or officers of each Party.

6.10 Notices.

All notices, requests, claims, demands and other communications under this Agreement shall be given in writing and shall be given or made (and shall be deemed to have been duly given or made upon receipt) by delivery in person, by reputable overnight courier service, by facsimile, or by registered or certified mail (postage prepaid, return receipt requested) to the respective Parties at the following addresses (or at such other address for a Party as shall be specified in a notice given in accordance with this Section 6.10:

If to Assignor:

Technicolor Licensing (S.A.S.)

1 Rue Jeanne d'Arc

92443 Issy les Moulineaux

France

Attention: Executive Vice President Intellectual Property and Licensing

Fax: +33-1-41.86.5614

If to Assignee:

Grass Valley USA LLC

Eve Dery Hodnett

Associate General Counsel

VP Grass Valley Management Team

2255 N. Ontario St., Suite 100

Burbank, CA 91504

USA

Fax number: +1.818.729.7710

Copy to:

Craig Gelfound
Arent Fox LLP
Gas Company Tower
555 West Fifth Street, 48th Floor
Los Angeles, CA 90013
USA
Fax number: +1-213-629-7401

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, each of the Parties hereto has caused this Patent Assignment Agreement to be executed in two (2) original copies, one (1) for each Party, by its duly authorized officer or representative.


For the Assignor

THOMSON LICENSING (S.A.S.)

By:

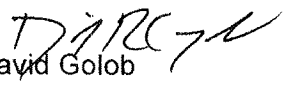
Title:

Date:


E. JANIN
authorized & signing
31/12/10

For the Assignee

GVBB HOLDINGS S.A.R.L.

By: David Golob 

Title: Manager A

Date:

EXHIBIT 1

GRASS VALLEY TRANSFERRED PATENTS

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	
DE4015446C2	JP	MODULATED RF SIGNAL FOR VIEWFINDER	May-90	May-11	CAMERA	Acquired
DE4030148C2	DE, JP	FERNSEHKAMERASYSTEM	Sep-90	Sep-10	CAMERA	Acquired
EP09305448.4	WO	CMOS IMAGER WITH LONG SELECT DURING READ OUT	Oct-08	Oct-28	CAMERA	Organic
EP0932975	EP, FR, DE, JP, GB	VIEWFINDER APERTURE CORRECTION	Jul-98	Jul-18	CAMERA	Acquired
EP1374566	CN, EP, DE, JP, GB	DEVICE FOR DISPLAYING THE CAMERA NUMBER ON A VIEW FINDER	Mar-02	Mar-22	CAMERA	Organic
EP1713254	CN, EP, FR, DE, JP, GB	GOOD-SHOT/BAD-SHOT SELECTION	Mar-06	Mar-26	CAMERA	Organic
EP1762889	EP, FR, DE, JP, GB, US	INTEGRATION OF HANDGRIP IN CAMERA HOUSING	Sep-06	Sep-26	CAMERA	Organic
EP1891803	EP, DE, WO, JP, GB, US	IMPROVED QUICKLOCK CAMERA SUPPORT	Jun-06	Jun-26	CAMERA	Organic
EP1931132	CN, EP, FR, DE, IN, JP, GB, US	DOUBLE HINGE FOR LCD SCREEN IN CAMERA	Nov-07	Nov-27	CAMERA	Organic
EP2034721	EP, FR, DE, JP, GB, US	CONNECTION OF BEAM SPLITTER AND IMAGE SENSOR	Sep-08	Sep-28	CAMERA	Organic
EP561674B1	EP, FR, DE, GB	CCD CORRECTION	Mar-93	Mar-13	CAMERA	Acquired
EP809397B1	EP, FR, DE, GB	DIGITAL VIDEO TRANSMISSION SYSTEM	May-97	May-17	CAMERA	Organic
US 2009-0002209-A1	EP, US	INDIRECT INTEGER-WORD-LENGTH CODING	Jun-08	Jun-28	CAMERA	Organic
US20060026660A1	CA, EP, FR, DE, JP, GB, US	HYBRID FO CABLE OR TRIAX CABLE INTERCONNECTION BETWEEN A CAMERA AND ITS BASE STATION	Jul-05	Jul-25	CAMERA	Organic
US20060119708A1	EP, FR, DE, IT, GB, US	SYNCHRONISATION OF MULTICORE SDI SYSTEM	Nov-05	Nov-25	CAMERA	Organic

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	
US20060197770A1	EP, FR, DE, JP, GB, US	ELECTRONIC SCAN REVERSAL FOR CAMERA	Feb-06	Feb-26	CAMERA	Organic
US20070116114A1	EP, FR, DE, IT, GB, US	LOW LATENCY 2 CHANNEL VIDEO COMPRESSION	Nov-05	Nov-25	CAMERA	Organic
US20070229709A1	EP, FR, DE, JP, GB, US	WIREFRAME WORKFLOW IN VIEWFINDER	Mar-07	Mar-27	CAMERA	Organic
US20080029589A1	EP, DE, JP, GB, US	MULTIPLE FILTERWHEEL POSITION DETECTION WITH ONE DETECTOR	May-05	May-25	CAMERA	Organic
US20090067561A1	EP, FR, DE, JP, GB, US	LINEAR TIME CODE GENERATOR WITH FRAME-RATE ADAPTIVE BIT DISTRIBUTION	Sep-08	Sep-28	CAMERA	Organic
US5228104A	US	OPTICAL CONNECTION	May-91	May-11	CAMERA	Acquired
US5343303	US	CAMERA FOR TELEVISION	Sep-91	Sep-11	CAMERA	Acquired
US5601265A	EP, FR, DE, IT, JP, US	SUPPORT FOR CAMERA	May-95	May-15	CAMERA	Acquired
US5889605A	EP, FR, DE, JP, GB, US	DEVICE FOR AUTOMATIC SLAVING OF THE SENSITIVITY OF A PHOTOSENSITIVE PIN DIODE	Dec-96	Dec-16	CAMERA	Organic
US5903187A	EP, FR, DE, JP, GB, US	INTEGRATED DEMODULATOR CIRCUIT FOR FM VIDEO SIGNAL	Dec-96	Dec-16	CAMERA	Organic
US6005701	DE, GB, US, JP, FR	LASER HEAD WITH EXTERNAL MODULATOR	Jul-95	Jul-15	CAMERA	Acquired
US6457880	JP, US	CAMERA AND SHOULDER SUPPORT FOR CARRYING A LOAD	Apr-97	Apr-19	CAMERA	Acquired
US6667588	US	FLYBACK CONTROLLED DEFLECTION SYSTEM	Feb-03	Feb-23	CAMERA	Organic
US7107070	BE, EP, FR, DE, GB, US	CAMERA WITH VIEWFINDER WITH TRANSMISSION RATE INFORMATION	Sep-02	Jul-23	CAMERA	Organic
US7136105	DE, WO, GB, US	SAFETY CIRCUIT IN CAMERA SYSTEM	Jul-01	Jul-23	CAMERA	Acquired
US7170554	CN, EP, DE, JP, MY, KR, TW, GB, US	EXTENDED DYNAMIC RANGE FOR DATACAM	May-03	Jul-25	CAMERA	Organic
US7436456	DE, JP, GB, US	GENLOCK FOR REMOTE SOURCES	Feb-04	Apr-25	CAMERA	Organic

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	
US7466364	BE, EP, FR, DE, WO, JP, GB, US	FILTER FOR REDUCING VIDEO FLICKER	Jul-01	Jul-21	CAMERA	Acquired
US7486316	CN, EP, FR, DE, IT, MY, KR, TW, GB, US	GAIN DEPENDANT CCD DRIVING VOLTAGES	Nov-03	Dec-25	CAMERA	Organic
US7528876	EP, DE, NE, GB, US	IMPROVED DYNAMIC RANGE FOR CMOS IMAGERS	Mar-04	Mar-24	CAMERA	Organic
WO2006/136488	DE, WO, US	DOCKING BRACKET FOR RECORDER	Jun-06	Jun-26	CAMERA	Organic
WO2008073088	CN, EP, FR, DE, IN, WO, JP, KR, GB, US	INTEGRATED REORDERED EDITOR SYSTEM FOR SOUND POSITIONING	Dec-06	Dec-26	CAMERA	Organic
EP	TBD	Invention Cable connector at backside camera	Filed Jul 2010	TBD	CORE	Organic
EP2030432	US	Synchronization of TDI-CCD Read Out with Film Transport	Jun 07	Jun 27	CORE	Organic
FR1055061	TBD	Method of reading quantisation matrix	Jun 10	Jun 30	CORE	Organic
JP	TBD	CIRCUIT FOR TRANSMITTING CLOCK SIGNAL USING LVDS RECEIVER	Filed Sep 2010	TBD	CORE	Organic
JP	TBD	CIRCUIT FOR PREVENTING LATCH-UP-INDUCED BREAKAGE OF DEVICE	Filed Sep 2010	TBD	CORE	Organic
PCT/JP2009/003442	WO	METHOD FOR SYNCHRONIZING VIDEO FRAMES BETWEEN VIDEO DISPLAY DEVICES VIA IP NETWORK		Jul 29	CORE	Organic
PCT/JP2009/003966	WO	A RATE CONTROL METHOD FOR AUDIO COMPRESSION		Aug 29	CORE	Organic
PCT/JP2009/003968	WO	A METHOD TO SEAMLESSLY CONNECT COMPRESSED AUDIO STREAMS		Aug 29	CORE	Organic
PCT/JP2009/003970	WO	3D VIDEO CODING WITH M/S STEREO		Aug 29	CORE	Organic
PCT/JP2009/004005	WO	A METHOD AND APPARATUS FOR ENABLING SYNCHRONIZATION PLAYBACKS OF STREAM-BASED CONTENTS AND OTHER TYPES OF CONTENTS		Aug 29	CORE	Organic
PCT/JP2009/004011	WO	USER INTERFACE WITH OVERLAY GUIDE FUNCTION		Aug 29	CORE	Organic
US 61/289201	TBD	Distributed Video Transcode System with Adaptive File Processing	Dec 09	Dec 29	CORE	Organic
US20090040649	US	Method and Circuit for Identifying Changes in the Transport Direction of a T-Cine	Jun 05	Jun 25	CORE	Organic
US6550584	US	Bus-line Network Communication System	Feb 92	Feb 12	CORE	Acquired

<u>Representative Patent Number</u>	<u>Patent Assets</u>	<u>Title</u>	<u>Filing Date</u>	<u>Exp Date</u>	<u>Broadcast Product</u>	
DE10139275A1	DE	EVENT TRANSMISSION ON-DEMAND	Aug-01	Aug-21	Desktop and Editing Solutions	Acquired
JP11-131032	JP	NON-LINEAR RECORDING/REPRODUCING APPARATUS	May-05	May-25	Desktop and Editing Solutions	Acquired
JP2000113052A	JP	DATA RENEWAL BY USING A DIGITAL DATA COMMUNICATION SERVICE	Oct-98	Oct-18	Desktop and Editing Solutions	Acquired
JP2000113588A	JP	A METHOD OF DATA FORMAT CONVERSION AND A SYSTEM	Oct-98	Oct-18	Desktop and Editing Solutions	Acquired
JP2000209543A	JP	A NON-LINEAR VIDEO EDITING SYSTEM AND ITS METHOD	Jan-99	Jan-19	Desktop and Editing Solutions	Acquired
JP2000-286288	JP	METHOD OF SUPPORTING SALE, AND SYSTEM THEREFOR	Sep-00	Sep-20	Desktop and Editing Solutions	Acquired
JP2002202929A	JP	A HIGH-SPEED DATA PROCESSING METHOD AND ITS APPARATUS	Dec-00	Dec-20	Desktop and Editing Solutions	Acquired
JP2004317733A	JP	A DISPLAY CONTROL UNIT AND A DISPLAY CONTROL METHOD	Apr-03	Apr-23	Desktop and Editing Solutions	Acquired
JP2005005997A	JP	AN IMAGE DATA PROCESSING SYSTEM	Jun-03	Jun-23	Desktop and Editing Solutions	Acquired
JP2005064773A	JP	AN IMAGE COMPRESSING SYSTEM AND AN IMAGE COMPRESSING METHOD	Aug-03	Aug-23	Desktop and Editing Solutions	Acquired
JP2006140867A	JP	AN IMAGE EDITING SYSTEM FOR MOSAIC PROCESSING	Nov-04	Nov-24	Desktop and Editing Solutions	Acquired
JP2006140872A	JP	A CONTROL SYSTEM BY USING A HANDHELD DEVICE	Nov-04	Nov-24	Desktop and Editing Solutions	Acquired

<u>Representative Patent Number</u>	<u>Patent Assets</u>	<u>Title</u>	<u>Filing Date</u>	<u>Exp Date</u>	<u>Broadcast Product</u>	
JP2008-280228	WO	MPEG INTRA ENCODER DISCLOSURE OF INVENTION: 30. OCT. 2008: FINISHED GOODS IS TO BE DISCLOSED IN PUBLIC	Oct-08	Oct-28	Desktop and Editing Solutions	Organic
JP2008-308157	JP, WO	SMART JOG	Dec-08	Dec-28	Desktop and Editing Solutions	Organic
JP2009-068566	JP, WO	SHOWING CLIP MARKER RANGE WHICH IS APPLIED TIME-REMAP FUNCTION		Jul 29	Desktop and Editing Solutions	Organic
JP3683330	JP	RECORDING/REPRODUCING SYSTEM FOR BROADCAST	Feb-96	Feb-16	Desktop and Editing Solutions	Acquired
JP3827170	JP	RECORDING/REPRODUCING SYSTEM FOR BROADCAST	Feb-96	Feb-16	Desktop and Editing Solutions	Acquired
JP3895848	JP	NON-LINEAR VIDEO EDIT SYSTEM	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired
JP3895849	JP	NON-LINEAR VIDEO EDIT SYSTEM	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired
JP3895850	JP	NON-LINEAR VIDEO EDITING SYSTEM	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired
JP42229342	JP	NON-LINEAR VIDEO EDITING SYSTEM	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired
JP4229343	JP	NON-LINEAR VIDEO BROADCAST SYSTEM	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired
JP4243345	JP	NON-LINEAR VIDEO BROADCAST SYSTEM	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired
JP4243346	JP	NON-LINEAR VIDEO BROADCAST SYSTEM	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired

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JP4245083	JP	NON-LINEAR VIDEO EDIT SYSTEM HAVING FEATURE OF PROCESSING AND RECORDING NEWLY	Nov-97	Nov-17	Desktop and Editing Solutions	Acquired
JP7114367A	JP	A DISPLAY SYSTEM AND A METHOD FOR DISPLAY	Oct-93	Oct-13	Desktop and Editing Solutions	Acquired
PCT/JP2007/000859	EP, JP, US, WO	MPEG TRICK PLAY	Aug-07	Aug-27	Desktop and Editing Solutions	Organic
PCT/JP2007/000982	EP, JP, US, WO	CUE-UP WITH REMIND	Sep-07	Sep-27	Desktop and Editing Solutions	Organic
PCT/JP2007/001089	BR, CN, DE, EP, FR, GB, KR, US, TRJP,	ABSORBENT BUTTON	Oct-07	Oct-27	Desktop and Editing Solutions	Organic
PCT/JP2008/000117	CN, EP, JP, KR, US	SNAP BUTTON	Jan-08	Jan-28	Desktop and Editing Solutions	Organic
PCT/JP2008/000567	CN, EP, IN, JP, US	METHOD FOR PROCESSING MATERIAL OF CLIP	Mar-08	Mar-28	Desktop and Editing Solutions	Organic
PCT/JP2008/001537	WO	ERROR DISPLAYING IN MULTIMEDIA TERMINALS	Jun-08	Jun-28	Desktop and Editing Solutions	Organic
PCT/JP2008/001679	WO	METHOD OF VIDEO CODING WITH A PLURALITY OF CPUS	Jun-08	Jun-28	Desktop and Editing Solutions	Organic
PCT/JP2008/001690	WO	TRIMMING ENABLE/DISENABLE INDICATION DISCLOSURE OF INVENTION: 17.07.2008 AT QBE IN JAPAN	Jun-08	Jun-28	Desktop and Editing Solutions	Organic
PCT/JP2008/002213	WO	ENCRYPTION METHOD OF CONTENTS	Aug-08	Aug-28	Desktop and Editing Solutions	Organic
PCT/JP2008/002363	WO	USER-BREAKABLE CARD EDGE	Aug-08	Aug-28	Desktop and Editing Solutions	Organic

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	
PCT/JP2008/003364	CN, EP, JP, KR, US	AUTO CLIP CREATION AND ADJUSTMENT	Nov-08	Nov-28	Desktop and Editing Solutions	Organic
PCT/JP2008/003961	WO	EXTENDED HDMI FOR TRANSMITTING TIME CODES IN ACTIVE AREA	Dec-08	Dec-28	Desktop and Editing Solutions	Organic
PCT/JP2008/066022	WO	VIDEO COMPRESSION METHOD	Aug-08	Aug-28	Desktop and Editing Solutions	Organic
PCT/JP2008/068258	WO	AUDIO COMPRESSION METHOD OF DOWNMIXING MULTICHANNEL AUDIO	Oct-08	Oct-28	Desktop and Editing Solutions	Organic
PCT/JP2009/002926	WO	VIDEO COMPRESSION	TBD	TBD	Desktop and Editing Solutions	Organic
PCT/JP2009/003018	WO	METHOD FOR INGESTING DATA IN SERVER SYSTEM		Jun 29	Desktop and Editing Solutions	Organic
US20070046512A1	CN, EP, FR, DE, WO, JP, KR, GB, US	A DATA CONVERSION SYSTEM	Mar-06	Sep-23	Desktop and Editing Solutions	Acquired
US5852473	US	3-2 PULLDOWN DETECTOR	Feb-96	Feb-16	Desktop and Editing Solutions	Acquired
US5999692	EP, FR, DE, JP, GB, US	EDITING DEVICE	Mar-97	Mar-17	Desktop and Editing Solutions	Acquired
US6339668	EP, FR, DE, JP, GB, US	VIDEO EDITING DEVICE	Mar-97	Mar-17	Desktop and Editing Solutions	Acquired
US6591012	EP, DE, JP, US	METHOD AND SYSTEM FOR MEMORY STORAGE AND REPRODUCTION	Jun-98	Apr-19	Desktop and Editing Solutions	Acquired
US6763177	US	NON-LINEAR VIDEO EDIT SYSTEM	May-00	May-20	Desktop and Editing Solutions	Organic

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US6965723	US	NON-LINEAR VIDEO EDIT SYSTEM	May-00	May-20	Desktop and Editing Solutions	Organic
WO2007/141906	EP, FR, DE, WO, JP, GB, US	A METHOD OF MOVING IMAGE EDITING AND A SYSTEM	May-06	May-27	Desktop and Editing Solutions	Acquired
WO2008/053515	EP, FR, DE, WO, JP, KR, GB, US	EDITING APPARATUS AND METHOD USING METADATA	Oct-06	Oct-26	Desktop and Editing Solutions	Organic
WO2008/146406	CN, EP, JP, KR, US	METHOD OF CONVERTING VIDEO DATA	Jun-07	Jun-27	Desktop and Editing Solutions	Organic
WO2008126157	CN, EP, IN, JP, US	METHOD FOR EDITING SUB FILES DIVIDED FROM AN ORIGINAL MPEG FILE	Sep-07	Sep-27	Desktop and Editing Solutions	Organic
WO2009060615A1	CN, EP, JP, KR, US	SWITCH BETWEEN CAMERA ANGLES	Nov-08	Nov-28	Desktop and Editing Solutions	Organic
US20060041717	CA, CN, EP, FR, DE, WO, JP, MX, KR, GB, US	CLIENT-SIDE QUALITY OF SERVICE FOR INCREASED PERFORMANCE OF VIDEO-CENTRIC STORAGE AREA NETWORKS	Feb-05	Feb-25	DNP	Organic
WO2006088644	CA, CN, EP, FR, DE, IN, WO, JP, KR, GB, US	AGILE DECODER	Feb-06	Feb-26	DNP	Organic
EP1929770	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	SAFE TOUCHSAFE TOUCH	Sep-05	Sep-25	Integrated Production Solutions	Organic
EP1958055	AU, CA, CN, EP, FR, DE, IN, WO, JP, GB, US	ROBOTIC CAMERA AUTOMATIC TRACKING SYSTEM	Dec-05	Dec-25	Integrated Production Solutions	Organic
PCT/US08/13969	AU, CA, CN, EP, FR, DE, IN, WO, JP, GB, US	IGNITE IQ DYNAMIC NEWS EVENTS	Apr-08	Dec 28	Integrated Production Solutions	Organic
PCT/US09/002201	AU, CA, CN, EP, FR, DE, IN, WO, JP, GB, US	METHODS FOR CONTENT REPLACEMENT IN LIVE PRODUCTION	Apr-08	Apr 29	Integrated Production Solutions	Organic

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PCT/US09/002286	AU, CA, CN, EP, FR, DE, WO, JP, GB, US	AUTOCORRECT	Apr-08	Apr 29	Integrated Production Solutions	Organic
US2003070167	US	ADVERTISEMENT MANAGEMENT METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT	Sep-02	Sep-21	Integrated Production Solutions	Organic
US2004070690	US	AUTOMATED REAL-TIME EXECUTION OF LIVE INSERTS OF REPURPOSED STORED CONTENT DISTRIBUTION	May-03	May-24	Integrated Production Solutions	Organic
US5179421	CA	REMOTE TRACKING SYSTEM PARTICULARLY FOR MOVING PICTURE CAMERAS AND METHOD	Aug-90	Aug-11	Integrated Production Solutions	Acquired
US5268734	AU, CA, EP, FR, DE, WO, JP, GB, US US5465144	REMOTE TRACKING SYSTEM FOR MOVING PICTURE CAMERAS AND METHOD	May-90	Nov-12	Integrated Production Solutions	Acquired
US5296697	US	DETECTION CIRCUIT FOR MAINTAINING CONSTANT SIGNAL TRANSFER CHARACTERISTICS OF A LIGHT-SENSITIVE DETECTOR	Aug-92	Aug-12	Integrated Production Solutions	Acquired
US5432597	US	REMOTE CONTROLLED TRACKING SYSTEM FOR TRACKING A REMOTE- CONTROL UNIT AND POSITIONING AND OPERATING CAMERA	Feb-94	Nov-13	Integrated Production Solutions	Acquired
US5517300	US US5561618 US5561519	REMOTE CONTROLLED TRACKING SYSTEM FOR TRACKING A REMOTE CONTROL UNIT AND POSITIONING AND OPERATING A CAMERA	Feb-94	Oct-13	Integrated Production Solutions	Acquired
US5668629	US	REMOTE TRACKING SYSTEM PARTICULARLY FOR MOVING PICTURE CAMERAS AND METHOD	Sep-95	Sep 15	Integrated Production Solutions	Acquired
US5920288	CA, US	TRACKING SYSTEM AND METHOD FOR CONTROLLING THE FIELD OF VIEW OF A CAMERA	Jun-95	Mar-17	Integrated Production Solutions	Acquired
US5963250	CA, US US6281930	SYSTEM AND METHOD FOR CONTROLLING THE FIELD OF VIEW OF A CAMERA	Oct-95	Mar-17	Integrated Production Solutions	Acquired

<u>Representative Patent Number</u>	<u>Patent Assets</u>	<u>Title</u>	<u>Filing Date</u>	<u>Exp. Date</u>	<u>Broadcast Product</u>	
US6909874B2	US	INTERACTIVE TUTORIAL SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR REAL TIME VIDEO PRODUCTION	Apr-01	May-20	Integrated Production Solutions	Organic
US7015953	CA, US, US6108035	MULTI-USER CAMERA CONTROL SYSTEM AND METHOD	Jan-96	Jun-14	Integrated Production Solutions	Organic
WO2008105765	WO, US	LASER POSITION ROBOTIC CAMERA ALIGNMENT SYSTEM	Mar-07	Mar-27	Integrated Production Solutions	Organic
EP08300197.4	WO	SYNCHRONIZATION MANAGEMENT IN A PRODUCTION ENVIRONMENT OVER IP	Apr-08	Apr-28	Modular	Organic
JP2905966	JP	SCRAMBLING SYSTEM FOR SERIAL DIGITAL VIDEO	Dec-95	Dec-15	Modular	Acquired
US 2008-0297652-A1	US	DELAY STABILIZATION ALGORITHM FOR VIDEO FORMAT CONVERSION	May-07	May-27	MODULAR	Organic
US20040179639	CA, CN, EP, FR, DE, WO, IT, JP, MX, KR, GB, US	METHOD FOR OVERSAMPLING TO REDUCE JITTER IN ASYNCHRONOUS SYSTEMS USING RUN LENGTH ENCODING	Oct-03	Oct-23	MODULAR	Organic
US5124673	US	LEVEL INDEPENDENT AUTOMATIC CABLE EQUALIZER	Apr-91	Apr-11	MODULAR	Acquired
US5200749	US	FORMAT CONVERTER ARCHITECTURE	May-91	May-11	MODULAR	Acquired
US5274372	US	SAMPLING RATE CONVERSION USING POLYPHASE FILTERS WITH INTERPOLATION	Oct-92	Oct-12	MODULAR	Acquired
US5351031	US	NON LINEAR SLEW RATE LIMITER	Feb-93	Feb-13	MODULAR	Acquired
US5483538	US	AUDIO FRAME SYNCHRONIZATION FOR EMBEDDED AUDIO DEMULTIPLEXERS	May-94	May-14	MODULAR	Acquired
US5537114	EP	ANALOG/DIGITAL CONVERTER	May-93	Jul-13	Modular	Acquired

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US5745185A	JP, US	SYNCHRONIZER	Feb-96	Mar-16	Modular	Organic
US5777689	US	METHOD AND APPARATUS FOR VIDEO SIGNAL SHARPENING	Apr-96	Apr-16	MODULAR	Acquired
US5822326	US	SYNCHRONIZING DIGITAL AUDIO SIGNALS	May-96	May-16	MODULAR	Acquired
US5850267	US	NON-ADDITIVE VIDEO MIXER	Mar-93	Dec-15	MODULAR	Acquired
US5859549	US	DIGITAL AUDIO FRAME AND BLOCK SYNCHRONIZATION	Jun-97	Jun-17	MODULAR	Acquired
US5905538	US	SYSTEM OF SWITCHING VIDEO OF TWO DIFFERENT STANDARDS	Oct-97	Oct-17	MODULAR	Acquired
US5923710	US	SYNCHRONOUS SWITCHING OF DIGITAL AUDIO WHILE MAINTAINING BLOCK ALIGNMENT	Feb-97	Feb-17	MODULAR	Acquired
US599045A	EP, FR, DE, JP, GB, US	HIGH INPUT IMPEDANCE VIDEO FREQUENCY AMPLIFIER	Nov-97	Nov-17	MODULAR	Organic
US6256686	JP, US	BI-DIRECTIONAL SERIAL VIDEO PORT	Apr-98	Apr-18	MODULAR	Acquired
US6411520	US	MODULAR EQUIPMENT FRAME AND MODULES	Apr-00	Apr-20	MODULAR	Organic
US6480545	US	ARCHITECTURE FOR MULTI-FORMAT OF VIDEO PROCESSING	Aug-99	Aug-19	MODULAR	Organic
WO PCT/US08/007898	EP, FR, DE, WO, GB, US	DISTRIBUTED DETERMINISTIC CONTROL OVER SINGLE I/O	Jun-08	Jun-28	MODULAR	Organic
WO2006028446A1	CA, CN, EP, FR, DE, WO, IT, JP, MX, GB, US	METHOD FOR DYNAMIC CONFIGURATION OF A CONTROL SYSTEM WITH VARIABLE INPUT AND OUTPUT SIGNALS	Sep-04	Sep-24	MODULAR	Organic
WO2008048297	CA, CN, EP, FR, DE, WO, JP, GB, US	FAULT TOLERANT ISP OF FPGA BASED MODULES VIA JTAG	Nov-06	Nov-26	Modular	Organic
DE10007945A1	DE	SCRATCH CONCEALMENT BY SIGNAL SUBTRACTION	Feb-00	Feb-20	PPS	Acquired

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	
DE10009585A1	DE	DIRT AND SCRATCH FILTER	Feb-00	Feb-20	PPS	Acquired
DE10011060A1	DE	CIRCUIT ARRANGEMENT ALLOWS AUTOMATIC ADJUSTMENT	Mar-00	Mar-20	PPS	Acquired
DE10053297A1	DE	STACKING OF R-LCD MODULES	Oct-00	Oct-20	PPS	Acquired
DE1020040012395.4	DE	DYNAMIC RESOLUTION 3D-LUT	Jan-04	Jan-24	PPS	Organic
DE10214411.7	DE	VIDEO SIGNAL EDGE CORRECTOR	Mar-02	Mar-22	PPS	Organic
DE10313250.3	DE	HIGH RESOLUTION CCD FILM-SCANNER	Mar-03	Mar-23	PPS	Organic
DE112006002189.3	DE	SPROCKET WHEEL BASED STEADYNESS CORRECTION	Sep-06	Sep-26	PPS	Organic
DE19714886A1	DE	COLOUR CORRECTION WITH LOGARIZED SIGNALS	Apr-97	Apr-17	PPS	Acquired
DE19841902C2	DE	HIPPI INTERFACE FOR TELECINE	Sep-98	Sep-18	PPS	Acquired
GB2245396A	GB	METHOD FOR CONTROLLING FUNCTIONAL UNITS WITHIN A TELEVISION STUDIO APPARATUS	May-91	May-11	PPS	Acquired
GB2393348	DE, GB	COLOR-COIL TEST SIGNAL FOR CHECKING THE COLOR RANGE	Jun-03	Jul-23	PPS	Organic
US20030160903A1	DE, JP, GB, US	METHOD FOR MEASURING FILM GRAIN	Feb-03	Feb-23	PPS	Organic
US20060054777A1	DE, US	CONTINUOUS MOVEMENT FILM PRINTER	Aug-05	Aug-25	PPS	Organic
US20060072172A1	DE, GB, US	HUE DEPENDANT MATRIX	Aug-03	Aug-23	PPS	Organic
US20060227444A1	CN, EP, FR, DE, IN, JP, GB, US	MULTIPLE FOCUS POINT MONITORING	Apr-06	Apr-26	PPS	Organic
US56943090A	DE, JP, GB, US	CORRECTION OF FILM UNSTEADINESS	Sep-96	Sep-16	PPS	Acquired
US5687187A	EP, DE, JP, SE, GB, US	DETECTION AND CONCEALMENT OF ASLANT SCRATCHES	Mar-97	Sep-16	PPS	Acquired

<u>Representative Patent Number</u>	<u>Patent Assets</u>	<u>Title</u>	<u>Filing Date</u>	<u>Exp Date</u>	<u>Broadcast Product</u>	
US6388704B1	DE, JP, SE, GB, US	LENGTH DETECTION OF ASLANT SCRATCHES	Mar-97	Sep-17	PPS	Acquired
US7105792	CA, EP, FR, DE, NE, GB, US	ILLUMINATION CORRECTION FOR LINE SCANNER	Mar-04	Aug-24	PPS	Organic
US7116720	EP, DE, WO, JP, GB, US	FILTER FOR VIDEO SIGNAL TO IMPROVE PICTURE STEADINESS	Sep-01	Sep-23	PPS	Acquired
US7139941	DE, JP, GB, US	METHOD AND DEVICE FOR DATA CORRECTION	Jan-03	Aug-24	PPS	Organic
US7440749	DE, GB, US	TRANSFER FUNCTION CORRECTION FOR SEGMENTED IMAGE SENSORS	Jan-03	Jan-23	PPS	Organic
US7508435	CA, DE, GB, US	CORRECTION OF LINEARITY ERROR WITH MULTICHANNEL ANALOGUE PROCESSING OF SCANNING DEVICES	Sep-03	Sep-23	PPS	Organic
US7552861	DE, GB, US	STEADY SPEED	Sep-04	Sep-24	PPS	Organic
US7573536	DE, JP, GB, US	VISUALISATION AND INTERACTION OF OBJECTS	Mar-04	Mar-24	PPS	Organic
US20050207428A1	CN, EP, FR, DE, WO, IT, JP, MX, KR, ES, GB, US	A NON-REDUNDANT LINEARLY EXPANDABLE ROUTER	Jun-03	Jun-23	ROUTER	Organic
US20050226211A1	CN, EP, FR, DE, WO, JP, MX, KR, GB, US	METHOD FOR PROVIDING MULTIPLE OR REDUNDANT REFERENCE INPUTS IN A BROADCAST ROUTER	Jun-03	Jun-23	ROUTER	Organic
US20050243710A1	CN, EP, FR, DE, WO, JP, MX, KR, GB, US	METHOD FOR AUTO SWITCHING BETWEEN TWO MATRIX CARDS IN A FAULT TOLERANT BROADCAST ROUTER WITHOUT DISTURBING THE OUTPUTS OF THE ROUTER	Jun-03	Jun-23	ROUTER	Organic
US20060120342A1	CN, EP, FR, DE, WO, IT, JP, MX, KR, ES, GB, US	FULLY REDUNDANT LINEARLY EXPANDABLE ROUTER	Jun-03	Jun-23	ROUTER	Organic
US5331206	US	CIRCUIT FOR DRIVING A TRANSMISSION LINE	May-92	May-12	ROUTER	Acquired
US5870028	US	INPUT EXPANSION FOR CROSSPOINT SWITCH MODULE	Mar-97	Mar-17	ROUTER	Acquired
US6130725	US	SWITCHING REFERENCE GENERATION USING A SCANNING SYNC SEPARATOR	May-97	May-17	ROUTER	Acquired

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	
US6285197B1	US	JITTERING A TEST SIGNAL		Jul-18	ROUTER	Acquired
US6588018	US	AUTOMATION PROTOCOL SUBSCRIPTION SERVICE	Apr-99	Apr-19	ROUTER	Organic
US6765804	US	PRINTED CIRCUIT BOARD SPRING CLIP FOR BNC INTERFACE	Apr-02	May-21	ROUTER	Organic
US7496728	CA, CN, EP, FR, DE, WO, JP, MX, KR, GB, US	ASYNCHRONOUS JITTER REDUCTION SYSTEM	Sep-05	Sep-25	ROUTER	Organic
WO05/084009	DE, GB	PATHLOCKING AND BUNDLELOCKING	Jan-05	Jan-25	Router	Organic
WO2008069803	US	POSITIVE SIGNAL IDENTIFICATION IN A SERIAL DIGITAL VIDEO ROUTING SWITCHER	Dec-06	Dec-26	Router	Organic
WO2008079112	CA, CN, EP, FR, DE, WO, JP, GB, US	EMBEDDED AUDIO ROUTING SWITCHER	Dec-06	Dec-26	Router	Organic
PCT/US08/007916	CN, EP, FR, DE, IN, WO, JP, KR, GB, US	TARGETED USER NOTIFICATION OF ALARMS	Jun-08	Jun-28	Server and Digital News Production	Organic
US20060090019A1	CA, CN, EP, FR, DE, WO, JP, KR, GB, US	ASYNCHRONOUS SERIAL CO-PROCESSING ARCHITECTURE	Feb-04	Feb-24	Server and Digital News Production	Organic
US20060218183A1	BR, CN, EP, FR, DE, IN, WO, IT, JP, MY, MX, KR, Thailand, GB, US	AUTOMATED CLAPPER BOARD GENERATION FOR PROFILE EXCHANGE	Mar-04	Mar-24	Server and Digital News Production	Organic
US20060227879	BR, CA, CN, EP, FR, DE, IN, WO, IT, JP, MX, KR, ES, GB, US	LINEAR TIME CODE RECEIVER USING DIGITAL TECHNIQUES	Nov-05	Nov-25	Server and Digital News Production	Organic
US5237461	US	METHOD AND APPARATUS FOR REPRODUCING VIDEO DATA STORED ON A MAGNETIC TAPE IN A MANNER FACILITATING SEARCH AND SLOW-MOTION OPERATION	Aug-92	Aug-10	Server and Digital News Production	Acquired
US5452010	US	SYNCHRONIZING DIGITAL VIDEO INPUTS	Jul-94	Jul-14	Server and Digital News Production	Acquired



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US5506627	US	PHASE LOCKED LOOP CHAIN FOR LOCKING AUDIO SAMPLING TO SERIAL DIGITAL COMPONENT VIDE TIMING	Jun-94	Jun-14	Server and Digital News Production	Acquired
US5519828	US	VIDEO EDITING OPERATOR INTERFACE FOR ALIGNING TIMELINES	Dec-94	May-13	Server and Digital News Production	Acquired
US5539660A	US	MULTI-CHANNEL COMMON-POOL DISTRIBUTED DATA STORAGE AND RETRIEVAL SYSTEM	Sep-93	Sep-13	Server and Digital News Production	Acquired
US5574662	US	DISK-BASED DIGITAL VIDEO RECORDER	Jun-95	Nov-13	Server and Digital News Production	Acquired
US5642497	JP, US	DIGITAL DISK RECORDER USING A PORT CLOCK HAVING PARALLEL TRACKS ALONG A TIMELINE WITH EACH TRACK REPRESENTING AN INDEPENDENTLY ACCESSIBLE MEDIA STREAM.	Jan-95	Jan-15	Server and Digital News Production	Acquired
US5754730	US	METHOD FOR PREDICTING WHAT VIDEO DATA SHOULD BE IN A CACHE WHICH IS IN A DISK-BASED DIGITAL VIDEO RECORDER	Dec-96	Sep-12	Server and Digital News Production	Acquired
US5917482A	DE, JP, KR, GB, US	DATA SYNCHRONIZING SYSTEM FOR MULTIPLE MEMORY ARRAY PROCESSING FIELD ORGANIZED DATA	Mar-96	Mar-16	Server and Digital News Production	Acquired
US6134586A	JP, KR, US	STRIPING DATA ACROSS DISK ZONES	Jul-98	Jul-18	Server and Digital News Production	Acquired
US6186621B1	US, US Div1	DIRECT COPYING BETWEEN DISK BLOCKS IN MEMORY ONTO A NETWORK AS SEQUENTIAL ACCESS FILES	Dec-97	Mar-17	Server and Digital News Production	Acquired
US6289172	US	DISK-BASED DIGITAL VIDEO RECORDER	Jun-97	Sep-12	Server and Digital News Production	Acquired
US6381363	US	HISTOGRAM-BASED COLOR SEGMENTATION OF IMAGES AND VIDEO VIA COLOR MOMENTS	Jun-99	Jun-19	Server and Digital News Production	Acquired

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US6526225	US	DISC-BASED DIGITAL VIDEO RECORDER	Jan-00	Sep-12	Server and Digital News Production	Organic
US6574655	US	ASSOCIATIVE MANAGEMENT OF MULTIMEDIA ASSETS AND ASSOCIATED RESOURCES USING MULTI-DOMAIN AGENT-BASED COMMUNICATION BETWEEN HETEROGENEOUS PEERS.	Jun-99	Jun-19	Server and Digital News Production	Organic
US6693962	US	A PROCESS TO EXTRACT REGIONS OF HOMOGENOUS TEXTURE IN A DIGITAL PICTURE	Feb-00	Feb-19	Server and Digital News Production	Organic
US7268825	US	VIDEO GENLOCK USING DIGITAL SIGNAL PROCESSING TECHNIQUE	Jan-04	Apr-26	Server and Digital News Production	Organic
US5N 12080998	US	OPEN FRAMEWORK TO INTERFACE BUSINESS APPLICATIONS AND CONTENT MANAGEMENT IN MEDIA PRODUCTION AND DISTRIBUTION ENVIRONMENT	Apr-08	Apr-28	Server and Digital News Production	Organic
WO20080808342	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	METHOD FOR PROVIDING SYMMETRICAL STORAGE ACCESS ON INTELLIGENT DIGITAL DISK RECORDERS (IDDRS)	Jan-07	Jan-27	Server and Digital News Production	Organic
WO2008125897	CA, EP, FR, DE, IN, WO, JP, KR, GB, US	ASPECT RATIO HINTING FOR RESIZABLE VIDEO WINDOWS	Jun-07	Jun-27	Server and Digital News Production	Organic
WO2008127312	CA, CN, DE, EP, FR, GB, JP, US	LOGICAL/PHYSICAL ASSET MAPPING USER INTERFACE	Nov-07	Nov-27	Server and Digital News Production	Organic
WO2008127570	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	ENHANCED DATABASE SCHEMA TO SUPPORT ADVANCED MEDIA PRODUCTION AND DISTRIBUTION	Apr-08	Apr-28	Server and Digital News Production	Organic
WO2008127589	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	ENHANCED DATABASE SCHEMA TO SUPPORT ADVANCED MEDIA PRODUCTION AND DISTRIBUTION	Apr-08	Apr-28	Server and Digital News Production	Organic
EP1932344	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	AUTOMATIC METADATA EXTRACTION AND METADATA CONTROLLED PRODUCTION PROCESS	Jul-06	Jul-26	Server and Digital News Production	Organic

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	
EP1938604	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	COMPACT TEST GENERATOR	Mar-06	Mar-26	Server and Digital News Production	Organic
D525964	US	M SERIES FRONT PANEL DESIGN	Oct-03	Aug-20	Server and Digital News Products	Organic
WO2007117249	US, WO	AUTOMATIC EMERGENCY DISPLAY SYSTEM FOR DIGITAL CINEMA AUDITORIA	Apr-06	Apr-26	Server and Digital News Products	Organic
DE10210443.3	DE	VIDEO SWITCHER INTEGRATED PATCH PANEL	Mar-02	Mar-22	SWITCHER	Organic
DE10225346.3	DE	BROADCAST VAN WITH BARRING FACILITY	Jun-02	Jun-22	SWITCHER	Organic
DE10301619.8	DE	DVE WORKBUFFER/EFFECTBUFFER	Jan-03	Jan-23	SWITCHER	Organic
DE10316611	DE	DIGITAL POTENTIOMETER	Apr-03	Apr-23	SWITCHER	Organic
DE19748721C2	DE	STEPWISE FILTER FACTOR REDUCTION IN NOISE REDUCERS	Nov-97	Nov-17	SWITCHER	Acquired
DE19757140C1	DE	MEDIAN FILTERS IN CASCADE	Dec-97	Dec-17	SWITCHER	Acquired
DE19812526C2	DE	COLOUR LEGALIZER	Mar-98	Mar-18	SWITCHER	Acquired
DE19813077C2	DE	VIRTUAL SOURCES	Mar-98	Mar-18	SWITCHER	Acquired
DE19815422C2	DE	VIDEO SWITCHER WITH SETUP FOR DIFFERENT APPLICATIONS	Apr-98	Apr-18	SWITCHER	Acquired
EP0437074	GB	SPECIAL EFFECTS USING POLAR IMAGE COORDINATES	Jan-90	Dec-10	SWITCHER	Acquired
EP0818924	EP, FR, DE, JP, GB	ARRANGEMENT FOR RECORDING AND REPRODUCING STANDARD AND SLOW-MOTION VIDEO SIGNALS	Jul-97	Jul-17	SWITCHER	Acquired

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EP0867834	EP, FR, DE, GB	VIDEOTECHNICAL PROCESSING DEVICE	Mar-98	Mar-18	SWITCHER	Acquired
EP0987886	EP, FR, DE, GB, US	PROGRAMMABLE ADDITIONAL PANEL FOR VIDEO SWITCHER	Sep-99	Sep-19	SWITCHER	Acquired
EP1051030	EP, FR, DE, JP, GB, US	VIDEO MIXER WITH FADE-OVER SIGNAL CONTROL	May-00	May-20	SWITCHER	Acquired
EP1528794	EP, FR, DE, IT, JP, GB, US	COLOR SPACE CONVERTER	Oct-04	Oct-24	Switcher	Organic
EP1999948	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	EDGE BLENDING USING PRODUCTION SWITCHERS	Mar-06	Mar-26	SWITCHER	Organic
EP1999949	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	USE OF PRODUCTION SWITCHERS FOR MULTI-SCREEN OPERATION	Mar-06	Mar-26	SWITCHER	Organic
EP416450B1	BE, EP, FR, DE, IT, GB	COMPONENTS SUPPORT	Aug-90	Aug-10	SWITCHER	Acquired
GB2236638	GB	GRAPHICS PATH PREDICTION DISPLAY	Jul-89	Jul-10	SWITCHER	Acquired
GB2270439A	DE, GB	COLOR DISTANCE DEPENDENT COLOR KEYING	Aug-93	Aug-13	SWITCHER	Acquired
GB2323761A	DE, JP, US	OPERATING DEVICE FOR VIDEO-TECHNICAL APPARATUSES	Mar-98	Mar-17	SWITCHER	Acquired
PCT/US07/019110	CA, CN, EP, FR, DE, IN, WO, JP, KR, GB, US	AUX BUS TRANSITIONS ON A VIDEO SWITCHER	Aug-07	Aug-27	SWITCHER	Organic
PCT/US08/008655	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	MULTI-PREVIEWER FOR VIDEO SWITCHERS	Jul-08	Jul-28	SWITCHER	Organic
US20040164967A1	DE, US	GRAPHICAL CONTROL PANEL	Oct-03	Apr-21	SWITCHER	Acquired
US20060245661A1	CN, EP, FR, DE, WO, JP, GB, US	PREVIEW DISPLAY METHOD FOR ADAPTIVE VIDEO NOISE REDUCTION FILTER	Aug-03	Aug-23	SWITCHER	Organic

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US2007/0073906A1	DE, US	TAKELOCK AND TALLYLOCK	Jun-06	Jun-26	SWITCHER	Organic
US5097322	US	VIDEO ENCODING USING ADAPTIVE FILTERS AND VARIABLE THRESHOLD	Aug-90	Aug-10	SWITCHER	Acquired
US5140409A	US	DIGITAL CLIP AND GAIN CIRCUIT	Sep-90	Sep-10	SWITCHER	Acquired
US5157494	US	APPARATUS AND METHOD FOR COMBINING VIDEO SIGNALS TO PROVIDE AN OUTPUT SIGNAL WITH FULL FIELD COVERAGE	Mar-91	Mar-11	SWITCHER	Acquired
US5173948	US	VIDEO IMAGE MAPPING SYSTEM	Mar-91	Mar-11	SWITCHER	Acquired
US5235423	US	CONTROLLABLE PSEUDO RANDOM NOISE PATTERN GENERATOR FOR USE IN VIDEO SPECIAL EFFECTS	Nov-92	Aug-11	SWITCHER	Acquired
US5249039	US	CHROMA KEY METHOD AND APPARATUS	Nov-91	Nov-11	SWITCHER	Acquired
US5251016	US	CHROMA KEYER WITH SECONDARY HUE SELECTOR	May-92	May-12	SWITCHER	Acquired
US5268677	US	REDUCED VIEWPORT FOR GRAPHICS DISPLAY	Aug-88	Dec-10	SWITCHER	Acquired
US5280337	GB, US	DEPTH-BASED VIDEO COMBINING	Sep-93	Sep-13	SWITCHER	Acquired
US5285283	US	DEPTH SIGNAL PROCESSING IN A VIDEO SWITCHER	Jun-92	Jun-12	SWITCHER	Acquired
US5287066	US	CROSSTALK REDUCTION CIRCUIT FOR CROSSPOINT MATRIX	May-92	May-12	SWITCHER	Acquired
US5299305	GB, US	PROGRESSIVE SCAN ARCHITECTURE FOR VIDEO SPECIAL EFFECTS	Feb-93	Feb-11	SWITCHER	Acquired

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US5302860	EP, FR, DE, GB, US	AGC CIRCUIT FOR NRZ SIGNALS	Feb-93	Feb-13	SWITCHER	Acquired
US5327177	US	METHOD OF AND APPARATUS FOR PROCESSING A SHAPED VIDEO SIGNAL TO ADD A SIMULATED SHADOW	May-92	May-12	SWITCHER	Acquired
US5351092	US	SYNCHRONIZATION OF DIGITAL AUDIO WITH DIGITAL VIDEO	Jul-93	Jul-13	SWITCHER	Acquired
US5382980	US	DYNAMIC CHROMA KEY II	Feb-94	Feb-14	SWITCHER	Acquired
US5386242	US	SELF KEYER WITH BACKGROUND GAP FILL	Mar-94	Mar-14	SWITCHER	Acquired
US5400081	US	CHROMA KEYER WITH CORRECTION FOR BACKGROUND DEFECTS	Feb-94	Feb-14	SWITCHER	Acquired
US5408272	US	METHOD OF PRODUCING A COMPOSITED VIDEO IMAGE BASED ON DEPTH	Dec-93	Dec-13	SWITCHER	Acquired
US5444496A	DE, JP, GB, US	AUTOMATIC KEY-COLOR BOUNDARIES	Feb-94	Feb-14	SWITCHER	Acquired
US5448301	US	PROGRAMMABLE VIDEO TRANSFORMATION RENDERING METHOD AND APPARATUS	May-94	May-14	SWITCHER	Acquired
US5708479A	DE, JP, GB, US	REGION DEPENDENCE OF SELECTIVITY AT CHROMA KEYING	Jun-96	Jun-16	SWITCHER	Acquired
US5719988	US	DYNAMICALLY PAGED NON-VOLATILE RANDOM ACCESS VIDEO STORE	Feb-96	May-14	SWITCHER	Acquired
US5793435	US	DEINTERLACING OF VIDEO USING A VARIABLE COEFFICIENT SPATIOTEMPORAL FILTER	Jun-96	Jun-16	SWITCHER	Acquired
US5796407A	EP, FR, DE, IT, JP, GB, US	GENERATION OF TEXTURED PICTURES	Feb-95	Aug-15	Switcher	Acquired

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US5903318A	EP, DE, JP, GB, US	CHROMA-KEY WITH BACKGROUND CORRECTION	Nov-96	Nov-16	Switcher	Organic
US5905539	US	METHOD AND APPARATUS FOR GENERATING A WIPE SOLD	May-93	May-16	SWITCHER	Acquired
US5923381A	EP, FR, DE, IL, JP, GB, US	CHROMA-KEY WITH COLOR COMPENSATION FOR TRANSITIONAL ZONES	Nov-96	Nov-16	SWITCHER	Organic
US5986717	US	REAL-TIME VIDEO PRODUCTION USING RECURSIVE TECHNIQUES	Jun-97	Jun-17	SWITCHER	Acquired
US6028645	US	DIGITAL VIDEO EFFECTS APPARATUS AND METHOD THEREFOR	Apr-97	Apr-17	SWITCHER	Acquired
US6034696	US	SOURCE RELATIVE WARPING FOR CORNER PINNING	Sep-97	Sep-17	SWITCHER	Acquired
US6041675	US	ADJUSTMENT MEMBER FOR AT LEAST ONE DEVICE PROVIDED WITH A ROTATION SHAFT	Mar-98	Mar-18	SWITCHER	Acquired
US6044197	US	RECORDING OF TIME CODE IN A DATABASE	Mar-94	Mar-17	SWITCHER	Acquired
US6141063A	DE, JP, GB, US	CHROMA-KEY WITH BACKGROUND-SPILL COMPENSATION	Sep-97	Sep-17	SWITCHER	Acquired
US6259488	US	CONCEALING TEMPORAL SHIFT WHEN USING A DIGITAL VIDEO EFFECT SYSTEM WITH A VIDEO SWITCHER	Jul-99	Jul-19	SWITCHER	Acquired
US6281941	US	MIX-EFFECT BANK WITH MULTIPLE PROGRAMMABLE OUTPUTS	Jul-99	Jul-19	SWITCHER	Acquired
US6421095	US	KEY PRIORITY FOR A MIXEFFECT BANK HAVING MULTIPLE KEYERS	Jul-99	Jul-19	SWITCHER	Organic
US6429900	US	TRANSMISSION OF WIDEBAND CHROMA SIGNALS	Jul-99	Jul-19	SWITCHER	Organic
US6437831	US	EFFECTS RECALL BETWEEN MIXEFFECTS BANKS	Jul-99	Jul-19	SWITCHER	Organic
US6452643	US	LINKING KEYERS TO BACKGROUND SOURCE SELECTIONS	Sep-99	Sep-19	SWITCHER	Organic
US6504569	US	2-D EXTENDED IMAGE GENERATION FROM 3-D DATA EXTRACTED FROM A VIDEO SEQUENCE	Apr-98	Apr-18	SWITCHER	Organic

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US6549190	US	GRAPHICAL SOURCE IDENTIFICATION DISPLAY	Jun-99	Jun-19	SWITCHER	Organic
US6687026	EP, FR, DE, JP, GB, US	OPTICAL SCANNING APPARATUS WITH SWITCHABLE RESOLUTION	Jul-00	May-22	SWITCHER	Acquired
US6707506	EP, FR, DE, JP, GB, US	VIDEO MIXER WITH SELECTABLE MIXING TYPE	May-99	May-19	SWITCHER	Acquired
US6714193	EP, FR, DE, GB, US	ARRANGEMENT FOR PROCESSING VIDEO DATA	Dec-98	Dec-18	SWITCHER	Acquired
US6829783	US	ARRANGEMENT FOR PRODUCING TELEVISION CONTRIBUTIONS	Jun-97	May-21	SWITCHER	Acquired
US6831704	US	LINKING EXTERNAL DEVICES TO SWITCHER TRANSITIONS	Jul-99	Jul-19	SWITCHER	Organic
US7016631	US	A PROCESS TO EXTRACT REGIONS OF HOMOGENOUS COLOR IN A DIGITAL PICTURE	Feb-00	Feb-19	SWITCHER	Organic
US7113228	DE, JP, US	MODULAR CONTROL PANEL FOR VIDEO APPARATUS	Jul-00	Feb-22	SWITCHER	Acquired
US7193533	DE, GB, US	NONLINEAR SELECTIVITY FOR COLOR CORRECTION CONTROLS	Jul-03	Jun-25	SWITCHER	Organic
US7248747	CA, DE, GB, US	CORRECTION OF LINEARITY ERROR OF SEGMENTED SCANNING DEVICES	Sep-03	Aug-25	SWITCHER	Organic
US7262833	EP, FR, DE, GB, US	FIFO WITH AUTOMATIC SYNCRONISATION	Aug-04	Sep-24	SWITCHER	Organic
US7298381	US	VIDEO MIXER ARCHITECTURE	Oct-98	Oct-18	SWITCHER	Acquired
US7400361	DE, GB, US	MODULATION OF WIPES BY AUDIO SIGNALS	Sep-03	Nov-24	SWITCHER	Organic
US7444020	DE, JP, GB, US	ROUNDING ERROR IN DIGITAL PROCESSING	Jun-04	Feb-27	Switcher	Organic
US7463306	EP, FR, DE, GB, US	ARRANGEMENT FOR PROCESSING VIDEO SIGNALS	Feb-99	Feb-19	SWITCHER	Acquired
WO2008/125444	CN, EP, FR, DE, WO, JP, GB, US	PANEL ABSTRACT COMMAND SET	Mar-08	Mar-28	SWITCHER	Organic
WO2008115195	CA, CN, EP, FR, DE, JP, GB, US	TECHNIQUES FOR AUTOMATED AESTHETIC TRANSITIONING BETWEEN SCENE GRAPHS	Jun-07	Jun-27	SWITCHER	Organic

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WO2008115196	CA, CN, EP, FR, DE, JP, GB, US	SYSTEM AND METHOD FOR ACCESSIBILITY AND CONTROL OF PARAMETERS IN SCENEGRAPH	Jun-07	Jun-27	SWITCHER	Organic
WO2008127308	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	USER ENHANCEABLE DVE	Nov-07	Nov-27	SWITCHER	Organic
WO2009002326	CA, CN, EP, FR, DE, IN, WO, JP, KR, GB, US	USE OF VIDEO SWITCHER CROSSPOINT MATRIX IN A PLANT ROUTING SYSTEM	Jun-07	Jun-27	SWITCHER	Organic
WO2009005511	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	ADAPTIVE CHROMA KEY	Sep-07	Sep-27	SWITCHER	Organic
DE10048110A1	DE	OBV WITH SLIDABLE FLOOR	Sep-00	Sep-20	SYSTEMS	Acquired
DE10048111A1	DE	OUTSIDE BROADCAST VAN	Sep-00	Sep-20	SYSTEMS	Acquired
DE4327216C1	DE	OUTSIDE BROADCAST VEHICLE	Aug-93	Aug-13	SYSTEMS	Acquired
EP0919432	EP, FR, DE, GB	TRANSMITTING VEHICLE	Nov-98	Nov-18	SYSTEMS	Acquired
EP1395093	EP, DE, ES, GB	LIGHT CONTROL FOR OB VAN	Jul-03	Jul-23	SYSTEMS	Organic
US6438753	EP, FR, DE, JP, GB, US	ARRANGEMENT FOR TV BROADCASTING OUTDOOR EVENTS OR THE LIKE	Oct-97	Oct-17	SYSTEMS	Acquired
US6526169	US	HISTOGRAM-BASED SEGMENTATION OF OBJECTS FROM A VIDEO SIGNAL VIA COLOR MOMENTS	Mar-99	Mar-19	SYSTEMS	Organic
US6748158	US	A METHOD FOR CLASSIFYING AND SEARCHING VIDEO DATABASES BASED ON 3-D CAMERA VELOCITY	Feb-00	Feb-19	SYSTEMS	Organic
US6882746	US	NORMALIZED BIT MAP REPRESENTATION OF VISUAL OBJECTS SHAPE FOR SEARCH/QUERY/FILTERING APPLICATIONS	Feb-00	Feb-19	SYSTEMS	Organic
US6917692	US	KALMAN TRACKING OF COLOR OBJECTS	May-99	May-19	SYSTEMS	Organic
US7155033	US	COARSE REPRESENTATION OF VISUAL OBJECTS SHAPE FOR SEARCH/QUERY/FILTERING APPLICATIONS	Feb-00	Feb-19	SYSTEMS	Organic

Representative Patent Number	Patent Assets	Title	Filing Date	Exp Date	Broadcast Product	Organic In
WO2008127550	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	OPERATION MANAGEMENT SOLUTION FOR MEDIA PRODUCTION AND DISTRIBUTION	Apr-08	Apr-28	SYSTEMS	Organic
WO2008127581	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	UNIVERSAL ADAPTER FOR APPLICATIONS WITHIN OPERATION MANAGEMENT SOLUTION FOR MEDIA PRODUCTION AND DISTRIBUTION	Apr-08	Apr-28	SYSTEMS	Organic
WO2008127586	CA, CN, EP, FR, DE, IN, WO, JP, GB, US	WORKFLOW ENGINE FOR MEDIA PRODUCTION AND DISTRIBUTION	Apr-08	Apr-28	SYSTEMS	Organic

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