

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM369054

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
SPORTVISION, INC.		06/19/2008	CORPORATION: DELAWARE
RECEIVING PARTY DATA			
Name:	COMERICA BANK		
Street Address:	39200 W. SIX MILE ROAD		
Internal Address:	MC 7512		
City:	LIVONIA		
State/Country:	MICHIGAN		
Postal Code:	48152		
Entity Type:	TEXAS BANKING ASSOCIATION: TEXAS		
PROPERTY NUMBERS Total: 1			
Property Type	Number	Word Mark	
Serial Number:	86472593	COMMANDF/X	
CORRESPONDENCE DATA			
Fax Number:	8585506420		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	858-550-6433		
Email:	jmfitzpatrick@cooley.com		
Correspondent Name:	JENNIFER FITZPATRICK		
Address Line 1:	c/o COOLEY LLP		
Address Line 2:	4401 EASTGATE MALL		
Address Line 4:	SAN DIEGO, CALIFORNIA 92121		
ATTORNEY DOCKET NUMBER:	036703-1106 SPORTVISION		
NAME OF SUBMITTER:	JENNIFER FITZPATRICK		
SIGNATURE:	/JENNIFER FITZPATRICK/		
DATE SIGNED:	01/13/2016		
Total Attachments: 19			
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**FIRST AMENDMENT
TO
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This First Amendment to Amended and Restated Intellectual Property Security Agreement is entered into as of March **25**, 2014 (the "Amendment") by and between COMERICA BANK ("Bank"), SPORTVISION, INC. and SPORTVISION, LLC (collectively, "Borrower").

RECITALS

Borrower and Bank are parties to that certain Amended and Restated Loan and Security Agreement dated as of June 16, 2008, as amended from time to time (the "IPSA"). In connection with the Seventh Amendment and Waiver to Amended and Restated Loan and Security Agreement entered into as of the date hereof, the parties desire to amend the IPSA in accordance with the terms of this Amendment.

NOW, THEREFORE, the parties agree as follows:

1. Exhibits B (Patents) and C (Trademarks) to the IPSA are hereby replaced in their entirety with those attached hereto as Exhibits B and C.
2. Unless otherwise defined, all initially capitalized terms in this Amendment shall be as defined in the IPSA. The IPSA, as amended hereby, shall be and remain in full force and effect in accordance with its respective terms and hereby is ratified and confirmed in all respects. Except as expressly set forth herein, the execution, delivery, and performance of this Amendment shall not operate as a waiver of, or as an amendment of, any right, power, or remedy of Bank under the IPSA, as in effect prior to the date hereof. Borrower ratifies and reaffirms the continuing effectiveness of all agreements entered into in connection with the IPSA.
3. This Amendment may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one instrument.

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IN WITNESS WHEREOF, the undersigned have executed this Amendment as of the first date above written.

SPORTVISION, INC.
By: [Signature]
Name: MICHAEL JAKOB
Title: PRESIDENT

SPORTVISION, LLC
By: [Signature]
Name: MICHAEL JAKOB
Title: COO/CFO

COMERICA BANK
By: [Signature]
Name: Michael Fishback
Title: Vice President

Exhibit B
Sportvision Patents and Applications
As of February 19, 2014

Country	Type	Status	Title	App. #	App. Date	Patent #	Issue Date
USA	Original	Granted	SYSTEM FOR DETERMINING THE POSITION OF AN OBJECT	09/041,238	3/11/1998	6,133,946	10/17/2000
USA	Original	Granted	SYSTEM FOR DETERMINING THE END OF A PATH FOR A MOVING OBJECT	09/283,729	4/1/1999	6,304,665	10/16/2001
Germany	Original	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION OF A LIVE EVENT	99945342.6	8/31/1999	69930530.6	3/22/2006
Europe	Original	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION OF A LIVE EVENT	99945342.6	8/31/1999	1110382	3/22/2006
France	Original	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION OF A LIVE EVENT	99945342.6	8/31/1999	1110382	3/22/2006
Great Britain	Original	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION OF A LIVE EVENT	99945342.6	8/31/1999	1110382	3/22/2006
USA	Original	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION OF A LIVE EVENT	09/160,534	9/24/1998	6,266,100	7/24/2001
USA	CON	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION OF A LIVE EVENT	09/771,238	1/26/2001	6,597,406	7/22/2003
USA	Original	Granted	BLENDING A GRAPHIC	09/160,428	9/24/1998	6,229,550	5/8/2001
USA	Original	Granted	ENHANCING A VIDEO OF AN EVENT AT A REMOTE LOCATION USING DATA ACQUIRED AT THE EVENT	09/293,378	4/16/1999	6,466,275	10/15/2002
USA	Original	Granted	SYSTEM FOR DETERMINING THE SPEED AND/OR TIMING OF AN OBJECT	09/289,166	4/9/1999	6,292,130	9/18/2001
USA	Original	Granted	MEASURING CAMERA ATTITUDE	09/472,635	12/27/1999	6,965,397	11/15/2005
USA	Original	Granted	TELESTRATOR SYSTEM	09/425,992	10/21/1999	7,075,556	7/11/2006
USA	CON	Granted	TELESTRATOR SYSTEM	11/297,036	12/8/2005	7,492,363	2/17/2009
USA	CON	Granted	TELESTRATOR SYSTEM	12/359,092	1/23/2009	7,750,901	7/6/2010
USA	DIV	Granted	TELESTRATOR SYSTEM	12/791,090	6/1/2010	7,928,976	4/19/2011
USA	Original	Granted	SYSTEM FOR DETERMINING INFORMATION ABOUT A GOLF CLUB AND/OR A GOLF BALL	09/444,790	11/22/1999	6,456,232	9/24/2002
USA	Original	Granted	VIDEO COMPOSITOR	09/767,777	1/23/2001	6,909,438	6/21/2005
USA	Original	Granted	LOCATING AN OBJECT USING GPS WITH ADDITIONAL DATA	09/888,217	6/22/2001	6,657,584	12/2/2003
USA	Original	Granted	ENHANCING VIDEO USING A VIRTUAL SURFACE	09/928,165	8/10/2001	6,864,886	3/8/2005
Europe	Original	Granted	GPS BASED TRACKING SYSTEM	1952195.4	6/22/2001	1305898	9/1/2010
Germany	Original	Filed	GPS BASED TRACKING SYSTEM	60143357.2	6/22/2001	1305898	9/1/2010
Spain	Original	Filed	GPS BASED TRACKING SYSTEM	1952195.4	6/22/2001	1305898	9/1/2010
France	Original	Filed	GPS BASED TRACKING SYSTEM	1952195.4	6/22/2001	1305898	9/1/2010
Great Britain	Original	Filed	GPS BASED TRACKING SYSTEM	1952195.4	6/22/2001	1305898	9/1/2010
USA	CON	Granted	GPS BASED TRACKING SYSTEM	10/179,538	6/25/2002	6,744,403	6/1/2004
USA	Original	Granted	FOREGROUND DETECTION	09/929,598	8/13/2001	7,221,794	5/22/2007
USA	CON	Granted	FOREGROUND DETECTION	11/691,758	3/27/2007	7,894,669	2/22/2011
Canada	Original	Granted	TRACK MODEL CONSTRAINT FOR GPS POSITION	2,413,691	6/22/2001	2,413,691	9/14/2010
USA	Original	Granted	TRACK MODEL CONSTRAINT FOR GPS POSITION	09/888,195	6/22/2001	6,728,637	4/27/2004
USA	Original	Granted	VIRTUAL STRIKE ZONE	10/331,117	12/27/2002	7,341,530	3/11/2008
USA	Original	Granted	MEASUREMENTS USING A SINGLE IMAGE	11/172,340	6/30/2005	7,680,301	3/16/2010

Exhibit B
Sportvision Patents and Applications
As of February 19, 2014

Country	Type	Status	Title	App. #	App. Date	Patent #	Issue Date
USA	CON	Granted	MEASUREMENTS USING A SINGLE IMAGE	12/546,299	8/24/2009	7,822,229	10/26/2010
USA	Original	Granted	VIDEO EFFECT USING MOVEMENT WITHIN AN IMAGE	11/467,467	8/25/2006	8,456,525	6/4/2013
USA	Original	Granted	THREE DIMENSIONAL VIRTUAL RENDERING OF A LIVE EVENT	11/670,394	2/1/2007	8,016,653	9/13/2011
USA	Original	Granted	TRACKING AN OBJECT WITH MULTIPLE ASYNCHRONOUS CAMERAS	11/688,149	3/19/2007	8,335,345	12/18/2012
USA	CON	Allowed	TRACKING AN OBJECT WITH MULTIPLE ASYNCHRONOUS CAMERAS	13/662,782	10/29/2012		
USA	Div	Granted	PROVIDING VIRTUAL INSERTS USING IMAGE TRACKING WITH CAMERA AND POSITION SENSORS	11/960,586	12/19/2007	8,077,981	12/13/2011
USA	Original	Granted	LINE REMOVAL AND OBJECT DETECTION IN AN IMAGE	12/121,650	5/15/2008	8,154,633	4/10/2012
Europe	Original	Pending	LINE REMOVAL AND OBJECT DETECTION IN AN IMAGE	8850327.1	11/13/2008		
USA	Original	Allowed	PROVIDING GRAPHICS IN IMAGES DEPICTING AERODYNAMIC FLOWS AND FORCES	11/960,527	12/19/2007	8,558,883	10/15/2013
USA	Original	Granted	DETECTING AN OBJECT IN AN IMAGE USING EDGE DETECTION AND MORPHOLOGICAL PROCESSING	11/960,565	12/19/2007	8,401,304	3/19/2013
USA	Original	Granted	DETECTING AN OBJECT IN AN IMAGE USING MULTIPLE TEMPLATES	11/960,571	12/19/2007	8,385,658	2/26/2013
USA	Original	Granted	DETECTING AN OBJECT IN AN IMAGE USING TEMPLATES INDEXED TO LOCATION OR CAMERA SENSORS	11/960,577	12/19/2007	8,456,527	6/4/2013
USA	Original	Granted	DETECTING AN OBJECT IN AN IMAGE USING CAMERA REGISTRATION DATA INDEXED TO LOCATION OR CAMERA SENSORS	11/960,600	12/19/2007	8,253,799	8/28/2012
USA	Original	Granted	IDENTIFYING AN OBJECT IN AN IMAGE USING COLOR PROFILES	11/960,606	12/19/2007	8,457,392	6/4/2013
USA	Original	Granted	IMAGE REPAIR INTERFACE FOR PROVIDING VIRTUAL VIEWPOINTS	12/121,660	5/15/2008	8,441,476	5/14/2013
USA	Original	Granted	VIRTUAL VIEWPOINT ANIMATION	12/121,696	5/15/2008	8,451,265	5/28/2013
USA	Original	Granted	FADING TECHNIQUES FOR VIRTUAL VIEWPOINT ANIMATIONS	12/121,699	5/15/2008	8,049,750	11/1/2011
Europe	Original	Pending	UPDATING BACKGROUND TEXTURE FOR VIRTUAL VIEWPOINTS ANIMATIONS	8848885.3	11/13/2008		
USA	Original	Pending	UPDATING BACKGROUND TEXTURE FOR VIRTUAL VIEWPOINTS ANIMATIONS	12/121,701	5/15/2008		
USA	Original	Granted	3D TEXTURED OBJECTS FOR VIRTUAL VIEWPOINT ANIMATIONS	12/121,655	5/15/2008	8,073,190	12/6/2011
USA	Original	Granted	USER INTERFACE FOR ACCESSING VIRTUAL VIEWPOINT ANIMATIONS	12/121,665	5/15/2008	8,466,913	6/18/2013
USA	Original	Filed	TRACKING SYSTEM	12/906,012	10/15/2010		

Exhibit B
Sportvision Patents and Applications
As of February 19, 2014

Country	Type	Status	Title	App. #	App. Date	Patent #	Issue Date
USA	Original	Allowed	TRACKING SYSTEM USING PROXIMITY AND/OR PRESENCE	12/906,029	10/15/2010		
EP	Original	Filed	TRACKING SYSTEM	11706441	2/22/2011		
EP	Original	Filed	TRACKING SYSTEM	11706442.8	2/22/2011		
USA	Original	Granted	VIDEO TRACKING OF BASEBALL PLAYERS TO DETERMINE THE START AND END OF A HALF-INNING	12/976,766	12/22/2010	8,659,663	2/25/2014
USA	Div	Filed	VIDEO TRACKING OF BASEBALL PLAYERS TO DETERMINE THE START AND END OF A HALF-INNING	14/151,440	1/9/2014		
USA	Original	Filed	VIDEO TRACKING OF BASEBALL PLAYERS WHICH IDENTIFIES MERGED PARTICIPANTS BASED ON PARTICIPANT ROLES	12/976,758	12/22/2010		
USA	Convert	Filed	SIMULATION SYSTEM	13/351,554	1/17/2012		
USA	Convert	Filed	SYSTEM FOR ENHANCING VIDEO FROM A MOBILE CAMERA	13/551,997	7/18/2012		
PCT	Original	Filed	SYSTEM FOR ENHANCING VIDEO FROM A MOBILE CAMERA	T/US2012/048872	7/30/2012		

Exhibit B
Sportvision - Fox Sports Licensed Patents
As of February 19, 2014

Country	Type	Status	Title	App. #	App. Date	Patent #	Issue Date
USA	Original	Granted	ELECTROMAGNETIC TRANSMITTING HOCKEY PUCK	08/498,009	6/30/1995	5564698	10/15/1996
Germany	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	96923560	6/28/1996	69632585.3-08	5/26/2004
France	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	96923560	6/28/1996	835584	5/26/2004
Great Britain	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	96923560	6/28/1996	835584	5/26/2004
Hong Kong	Original	Filed	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	98109604	8/1/1998		
Mexico	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	9710303	6/28/1996	196220	4/26/2000
USA	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	08/585,145	1/10/1996	5912700	6/15/1999
USA	CON	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	09/208,903	12/10/1998	6154250	11/28/2000
USA	Original	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION	08/785,588	1/17/1997	6252632	6/26/2001
Europe	Original	Granted	SYSTEM FOR RE-REGISTERING A SENSOR DURING A LIVE EVENT	98908439	1/15/1998	1010129	3/7/2007
Great Britain	Original	Granted	SYSTEM FOR RE-REGISTERING A SENSOR DURING A LIVE EVENT	98908439	35,810	1010129	3/7/2007
USA	Original	Granted	SYSTEM FOR RE-REGISTERING A SENSOR DURING A LIVE EVENT	08/786,108	35,447	5862517	1/19/1999
Europe	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	98902437	1/15/1998	953255	4/22/2009
USA	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	08/785,205	1/17/1997	5953077	9/14/1999
Germany	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	953255	1/15/1998	69840769.5-08	4/22/2009
France	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	98902437	1/15/1998	953255	4/22/2009
Great Britain	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	98902437	1/15/1998	953255	4/22/2009
Germany	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	97943458	35696	69728687.8-08	4/14/2004
France	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	97943458	35696	935886	4/14/2004
Great Britain	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	97943458	35696	935886	4/14/2004
USA	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	08/735,020	35360	5917553	6/29/1999
USA	CON	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	09/264,138	36255	6141060	10/31/2000
USA	CON	Granted	SYSTEM FOR ENHANCING VIDEO	09/844,524	37008	7154540	12/28/2006

Exhibit C
 Sportvision Registered Trademarks
 As of February 19, 2014

Country	Status	Title	App. #	App. Date	Registration #	Issue Date
US	Registered	SPORTVISION	75/144,415	8/5/1996	2,158,157	5/19/1998
US	Registered	1ST & TEN	75/573,639	10/20/1998	2,527,898	1/8/2002
US	Registered	SPORTVISION	76/242,688	4/18/2001	2,835,768	4/27/2004
US	Registered	L-VIS	74/690,734	6/19/1995	2,538,443	2/12/2002
US	Registered	C-TRAK	75/322,788	7/11/1997	2,498,563	10/16/2001
US	Registered	PITCHfx	85/323,429	5/17/2011	4,228,620	10/23/2012
US	Registered	HITfx	85/323,434	5/17/2011	4,228,621	10/23/2012
US	Registered	FIELDfx	85/323,432	5/17/2011	4,232,253	10/30/2012
US	Registered	RACEfx	85/494,444	12/13/2011	4,294,438	2/26/2013

AMENDED AND RESTATED

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Amended and Restated Intellectual Property Security Agreement is entered into as of June 19, 2008 by and between COMERICA BANK ("Bank") and SPORTVISION, INC., a Delaware corporation ("Grantor"). This Amended and Restated Loan and Security Agreement amends, restates, and supersedes in its entirety that certain Intellectual Property and Security Agreement dated as of February 2, 2004, by and between Grantor and Bank

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Amended and Restated Loan and Security Agreement by and between Bank and Grantor dated of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"); capitalized terms used herein are used as defined in the Loan Agreement).

B. Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement and under any other agreement now existing or hereafter arising between Bank and Grantor, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents and Trademarks listed on Schedules A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

~~441~~ ⁴⁰¹⁹
3470 North Ravenswood Ave., #304
Chicago, IL 60640

Attn: Chief Financial Officer

GRANTOR:

SPORTVISION, INC

By: 

Title: COO/CEO

BANK:

COMERICA BANK

By: 

Title: VP

Address of Bank:

Comerica Bank
n/c 4770
75 E Trimble Road
San Jose, CA 95131
Attn: Manager
FAX: (408) 556-5091

EXHIBIT A

Copyrights

Description
None.

Registration
Number

Registration
Date

EXHIBIT B
Sportvision Patents and Applications
As of January 6,
2016

Que File No.	Country	Type	Status	Title	Inventors	App. #	App. Date	Patent #	Issue Date	Next Action	Summary
2013021233	USA	Regular	Patent	SYSTEM FOR DETERMINING THE PROBABILITIES OF A USER'S SELECTION	DAVID H. CHAPMAN, JERRY H. GARRARD, JAMES R. GUSTAFSSON, STANLEY K. HICKEL, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011222	01/11/2013	8,126,902	10/22/2013	Patent issued	Methods and apparatus for determining probabilities of user selection based on user history and other factors.
2013021237	USA	Regular	Patent	SYSTEM FOR DETERMINING THE END OF A PATH FOR A MOVED OBJECT	DAVID H. CHAPMAN, JERRY H. GARRARD, LUCYCHENKOVA, STANLEY K. HICKEL, NEPESKIN, J. GARRARD, WILSON, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011223	01/11/2013	8,126,903	09/02/2013	Patent issued	Methods and apparatus for determining the end of a path for a moved object.
2013021238	Canada	Regular	Patent	SYSTEM FOR DETERMINING A VIDEO REPRESENTATION OF A LIVE EVENT	JAMES R. GUSTAFSSON, ROBERT S. WELLS, STANLEY K. HICKEL, JERRY H. GARRARD, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011224	01/11/2013	8,126,904	02/20/2013	Patent issued	System for determining a video representation of a live event.
2013021239	Canada	Regular	Patent	SYSTEM FOR DETERMINING A VIDEO REPRESENTATION OF A LIVE EVENT	JAMES R. GUSTAFSSON, ROBERT S. WELLS, STANLEY K. HICKEL, JERRY H. GARRARD, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011225	01/11/2013	8,126,905	02/20/2013	Patent issued	System for determining a video representation of a live event.
2013021240	Canada	Regular	Patent	SYSTEM FOR DETERMINING A VIDEO REPRESENTATION OF A LIVE EVENT	JAMES R. GUSTAFSSON, ROBERT S. WELLS, STANLEY K. HICKEL, JERRY H. GARRARD, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011226	01/11/2013	8,126,906	02/20/2013	Patent issued	System for determining a video representation of a live event.
2013021241	Canada	Regular	Patent	SYSTEM FOR DETERMINING A VIDEO REPRESENTATION OF A LIVE EVENT	JAMES R. GUSTAFSSON, ROBERT S. WELLS, STANLEY K. HICKEL, JERRY H. GARRARD, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011227	01/11/2013	8,126,907	02/20/2013	Patent issued	System for determining a video representation of a live event.
2013021242	USA	SUO	Patent	SYSTEM FOR DETERMINING A VIDEO REPRESENTATION OF A LIVE EVENT	JAMES R. GUSTAFSSON, ROBERT S. WELLS, STANLEY K. HICKEL, JERRY H. GARRARD, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011228	01/11/2013	8,126,908	02/20/2013	Patent issued	System for determining a video representation of a live event.
2013021243	USA	Regular	Patent	SYSTEMS & METHODS	JAMES R. GUSTAFSSON, ROBERT S. WELLS, STANLEY K. HICKEL, JERRY H. GARRARD, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011229	01/11/2013	8,126,909	02/20/2013	Patent issued	Systems and methods for determining a video representation of a live event.
2013021244	USA	Regular	Patent	SYSTEMS & METHODS FOR THE DISPLAY OF REAL-TIME LOCAL AND REMOTE DATA ACQUIRED BY THE USER	DAVID H. CHAPMAN, JERRY H. GARRARD, LUCYCHENKOVA, STANLEY K. HICKEL, NEPESKIN, J. GARRARD, WILSON, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011230	01/11/2013	8,126,910	02/20/2013	Patent issued	Systems and methods for displaying real-time data.
2013021245	USA	Regular	Patent	SYSTEM FOR DETERMINING THE SPEED AND/OR TRACK OF A MOVED OBJECT	DAVID H. CHAPMAN, JERRY H. GARRARD, LUCYCHENKOVA, STANLEY K. HICKEL, NEPESKIN, J. GARRARD, WILSON, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011231	01/11/2013	8,126,911	02/20/2013	Patent issued	System for determining the speed and/or track of a moved object.
2013021246	USA	Regular	Patent	SYSTEM FOR DETERMINING THE SPEED AND/OR TRACK OF A MOVED OBJECT	DAVID H. CHAPMAN, JERRY H. GARRARD, LUCYCHENKOVA, STANLEY K. HICKEL, NEPESKIN, J. GARRARD, WILSON, WILLIAM F. LINDENBERG, ROBERT S. WELLS	2013011232	01/11/2013	8,126,912	02/20/2013	Patent issued	System for determining the speed and/or track of a moved object.

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Our File No.	Country	Type	Status	Title	Inventors	App. #	App. Date	Patent #	Issue Date	Next Action	Summary
001-0011070-001	USA	Patent	Granted	SPORTS VIDEO TRANSMISSION FOR LIVE BROADCAST	ROBERT H. COOPER, ROBERT A. DUNN, MERRICK A. SARGENT, KENNETH S. BROWN	0,113,001	08/20/04	6,841,701	01/02/07	1/2/07 - Renewal due	Using a broadcast to receive the live position of a live ball.
001-0011070-002	USA	Patent	Granted	SPORTS VIDEO TRANSMISSION FOR LIVE BROADCAST	THOMAS J. FURSE, ROBERT S. MONTGOMERY, JAMES D. MONTGOMERY, STANLEY A. MOSEY	0098,099	01/20/04	6,126,591	02/27/06	2/27/06 - Patent expired 2/27/16. 12 yr maintenance fee paid	
001-0011070-003	USA	Patent	Granted	VIRTUAL SPORTS ZONE	STANLEY A. MOSEY, JOHN SHANAHAN, ANDREW W. HANSEN, ALAN SCOTT	10,001,111	10/28/04	7,241,309	01/08/08	1/8/08 - 12 yr maintenance fee due	Virtual sports being played on ESPN Gamecube Network
001-0011070-004	USA	Patent	Granted	RECONSTRUCTION OF 3D OBJECT FROM 2-D IMAGE SEQUENCE	ERIC HINDSLEY, MARCO S. VENTURA	10,171,342	08/04/05	7,698,301	01/22/08	1/22/08 - 12 yr maintenance fee due	A method used to reconstruct objects by inferring a position of each in an object in the video sequence, and reconstructing a 3-dimensional model using one or more video images.
001-0011070-005	USA	Patent	Granted	VIDEO TRANSMISSION SYSTEM BASED ON VIDEO	DAVID PERCIVAL, ROBERT S. MOSEY	10,244,196	02/12/06	7,927,238	10/20/09	10/20/09 - 12 yr maintenance fee due	Video for transmission to a device
001-0011070-006	USA	Patent	Granted	VIDEO TRANSMISSION SYSTEM BASED ON VIDEO	JAMES W. MONTGOMERY, ROBERT MOSEY, JOHN LARSEN, ROBERT H. COOPER, ANDREW W. HANSEN	10,247,995	02/12/06	8,138,309	08/04/10	8/4/10 - 12 yr maintenance fee due	Transmitting video captured from broadcast camera for remote viewing. To provide resolution and image enhancement based on image resolution, image size, and a projection base for the resolution and image size to which user has indicated a level of image resolution.
001-0011070-007	USA	Patent	Granted	IMAGE TRANSMISSION SYSTEM FOR TRANSMISSION OF LIVE EVENT	ERIC HINDSLEY	10,279,128	03/06/06	8,241,701	01/12/11	1/12/11 - 12 yr maintenance fee due	A method of video transmission, which captures a live event and transmits each as a separate channel. Moving and stationary objects of the event may be transmitted using different bandwidths, providing different viewing and interaction speeds, and real time additional data during the duration of the viewing event.
001-0011070-008	USA	Patent	Granted	TRANSMISSION OF LIVE EVENT MULTIMEDIA PRESENTATION CHANNELS	ROBERT S. MOSEY, MARCO S. VENTURA	10,288,744	03/12/06	8,133,309	10/19/09	10/19/09 - 12 yr maintenance fee due	Live objects broadcast being captured with an amount of image data for serving equipment or viewer.
001-0011070-009	USA	Patent	Granted	TRANSMISSION OF LIVE EVENT MULTIMEDIA PRESENTATION CHANNELS	ROBERT S. MOSEY, MARCO S. VENTURA	10,290,782	03/28/06	8,177,148	02/22/11	2/22/11 - 12 yr maintenance fee due	
001-0011070-010	USA	Patent	Granted	VIDEO TRANSMISSION SYSTEM FOR TRANSMISSION OF LIVE EVENT MULTIMEDIA PRESENTATION CHANNELS	JOHN LARSEN, ROBERT H. COOPER, ANDREW W. HANSEN	10,300,288	04/12/06	7,927,246	10/20/09	10/20/09 - 12 yr maintenance fee due	Receiving video from a camera and reconstructing each as a separate channel. Moving and stationary objects of the event may be transmitted using different bandwidths, providing different viewing and interaction speeds, and real time additional data during the duration of the viewing event.

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Our File No.	Country	Type	Status	Title	Inventors	App. #	App. Date	Patent #	Issue Date	Next Action	Summary
011001110001	USA	Patent	Granted	NEW METHOD AND DEVICE FOR DETECTING A GAZE VECTOR	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110111001	10/12/2008	8,754,713	07/12/2011	11/20/11 3/3 maintenance fee due	United States Patent. A device for detecting a gaze vector is disclosed. The device includes a camera and a processor. The camera captures a video stream of a scene. The processor processes the video stream to detect a gaze vector. The device is used for detecting a gaze vector in a scene.
011001110002	USA	Patent	Granted	NEW METHOD AND DEVICE FOR DETECTING A GAZE VECTOR	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110111002	10/12/2008			11/20/11 1/3 maintenance fee due	
011001110003	USA	Patent	Granted	NEW METHOD AND DEVICE FOR DETECTING A GAZE VECTOR	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110111003	10/12/2008			11/20/11 1/3 maintenance fee due	
011001120124	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112012	10/12/2008			11/20/11 3/3 maintenance fee due	United States Patent. A system and method for analyzing video content is disclosed. The system includes a processor and a memory. The processor analyzes video content to detect a gaze vector. The method includes analyzing video content to detect a gaze vector. The system and method are used for analyzing video content.
011001120005	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112005	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120006	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112006	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120007	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112007	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120008	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112008	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120009	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112009	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120010	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112010	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120011	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112011	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120012	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112012	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120013	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112013	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120014	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112014	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120015	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112015	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120016	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112016	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120017	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112017	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120018	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112018	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120019	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112019	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120020	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112020	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120021	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112021	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120022	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112022	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120023	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112023	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120024	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112024	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120025	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112025	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120026	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112026	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120027	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112027	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120028	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112028	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120029	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112029	10/12/2008			11/20/11 3/3 maintenance fee due	
011001120030	USA	Patent	Granted	SYSTEM AND METHOD FOR ANALYZING VIDEO CONTENT	JAMES R. GUZZONOWSKI, MICHAEL REARD, FELICIA YUE	110112030	10/12/2008			11/20/11 3/3 maintenance fee due	

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Our File No.	Country	Type	Status	Title	Inventors	App. #	App. Date	Patent #	Issue Date	Next Action	Summary
SPV001130001	USA	Original	Granted	TELEVISION SYSTEM	ROBERTO A. DONALDARDO, JAMES DONNELLY, MICHAEL JOHN R. SUTTON, RANDY BENNETT	130965011	06/13/2011	8,998,761	11/12/2014	11/12/2014 4 yr maintenance fee due	130965011: tracking an object by means of multiple cameras to identify its position and being tracked.
SPV001130002	USA	Original	Granted	TELEVISION SYSTEM WITH PROXIMITY AND/OR PROXIMITY	ROBERTO A. DONALDARDO, JAMES DONNELLY, MICHAEL JOHN R. SUTTON, RANDY BENNETT	130965012	06/13/2011	8,998,749	11/12/2014	11/12/2014 4 yr maintenance fee due	
SPV001130003	USA	Continuation	Filed	TELEVISION SYSTEM WITH PROXIMITY AND/OR PROXIMITY	ROBERTO A. DONALDARDO, JAMES DONNELLY, MICHAEL JOHN R. SUTTON, RANDY BENNETT	140991280	10/01/2014			pending for US term	
SPV001130004	USA	Original	Filed	TELEVISION SYSTEM	ROBERTO A. DONALDARDO, JAMES DONNELLY, MICHAEL JOHN R. SUTTON, RANDY BENNETT	131286421	02/23/2011			12/18: related fee	
SPV001130005	USA	Original	Filed	TELEVISION SYSTEM	ROBERTO A. DONALDARDO, JAMES DONNELLY, MICHAEL JOHN R. SUTTON, RANDY BENNETT	131286422	02/23/2011			12/18: related fee	
SPV001130006	USA	Original	Granted	VIDEO TRACKING OF SPHERICAL PLANETS TO DETERMINE THE START AND END OF A SINGLE POINT	ROBERTO A. DONALDARDO, MICHAEL JOHN R. SUTTON, RANDY BENNETT	130970300	06/22/2011	8,998,800	02/23/2015	12/18: 4 yr maintenance fee due	
SPV001130007	USA	Original	Filed	VIDEO TRACKING OF SPHERICAL PLANETS TO DETERMINE THE START AND END OF A SINGLE POINT	ROBERTO A. DONALDARDO, MICHAEL JOHN R. SUTTON, RANDY BENNETT	141101400	12/01/2014			pending for US term	
SPV001130008	USA	Original	Granted	VIDEO TRACKING OF SPHERICAL PLANETS WHICH DETERMINE PROXIMITY PARTICIPANTS BASED ON PROXIMITY SCORES	ROBERTO A. DONALDARDO, MICHAEL JOHN R. SUTTON, RANDY BENNETT	130970301	06/22/2011	8,998,801	02/23/2015	12/18: 4 yr maintenance fee due	
SPV001130009	USA	Original	Granted	TELEVISION SYSTEM	ROBERTO A. DONALDARDO, MICHAEL JOHN R. SUTTON, RANDY BENNETT	130971284	06/13/2011	8,998,802	02/23/2015	12/18: 4 yr maintenance fee due	
SPV001130010	USA	Original	Granted	SYSTEM FOR DETERMINING THE PROXIMITY OF PARTICIPANTS	ROBERTO A. DONALDARDO, MICHAEL JOHN R. SUTTON, RANDY BENNETT, JAMES DONNELLY, MICHAEL JOHN R. SUTTON, RANDY BENNETT	130971285	06/13/2011			11/12/2014: 4 yr maintenance fee due	
SPV001130011	USA	Original	Filed	SYSTEM FOR DETERMINING THE PROXIMITY OF PARTICIPANTS	ROBERTO A. DONALDARDO, MICHAEL JOHN R. SUTTON, RANDY BENNETT, JAMES DONNELLY, MICHAEL JOHN R. SUTTON, RANDY BENNETT	130971286	06/13/2011			12/18: related fee	

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Dur File No.	Country	Type	Status	Title	Inventors	App. #	App. Date	Patent #	Issue Date	Action
FXSP-01001US0	USA	Original	Expired	ELECTROMAGNETIC TRANSMITTING HOCKEY PUCK	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID B. HILL; FRED J. HEINZMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RIND; PHILLIP C. EVANS	084961009	6/20/1986	5584808	10/15/1996	6/20/16 patent expires
FXSP-01003DE0	Germany	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID BLYTH HILL; ANDREW G. SETOS; JERRY N. GEPNER; TIMOTHY P. HEINZMANN; PATRICK WADE OLSEN; FRED J. HEINZMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RIND; PHILLIP C. EVANS	88823560	6/28/1986	88832880.3-08	5/29/2004	6/28/16 patent expires
FXSP-01003FR0	France	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID BLYTH HILL; ANDREW G. SETOS; JERRY N. GEPNER; TIMOTHY P. HEINZMANN; PATRICK WADE OLSEN; FRED J. HEINZMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RIND; PHILLIP C. EVANS	88823560	6/28/1986	836884	5/26/2004	6/28/16 patent expires
FXSP-01003GB0	Great Britain	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID BLYTH HILL; ANDREW G. SETOS; JERRY N. GEPNER; TIMOTHY P. HEINZMANN; PATRICK WADE OLSEN; FRED J. HEINZMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RIND; PHILLIP C. EVANS	88823560	6/28/1986	836884	5/26/2004	6/28/16 patent expires
FXSP-01003HK0	Hong Kong	Original	Filed	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID BLYTH HILL; ANDREW G. SETOS; JERRY N. GEPNER; TIMOTHY P. HEINZMANN; PATRICK WADE OLSEN; FRED J. HEINZMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RIND; PHILLIP C. EVANS	88106804	6/1/1986			6/28/16 patent expires
FXSP-01003MX0	Mexico	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID BLYTH HILL; ANDREW G. SETOS; JERRY N. GEPNER; TIMOTHY P. HEINZMANN; PATRICK WADE OLSEN; FRED J. HEINZMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RIND; PHILLIP C. EVANS	87103003	6/28/1986	166280	4/28/2000	6/28/16 patent expires

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Our File No.	Country	Type	Status	Title	Inventors	App. #	App. Date	Patent #	Issue Date	Action
FXSP-01000000	USA	Original	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID BLYTH HILL; ANDREW G. SETOS; JERRY N. GERNER; TIMOTHY P. HEIDMANN; PATRICK WADE OLSEN; FRED J. HEIDMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RINO; PHILIP C. EVANS	08/969,146	1/10/1996	5,912,700	8/19/1998	1/10/16, patent expires
FXSP-01000004	USA	COPI	Granted	SYSTEM FOR ENHANCING THE TELEVISION PRESENTATION OF AN OBJECT AT A SPORTING EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; DAVID BLYTH HILL; ANDREW G. SETOS; JERRY N. GERNER; TIMOTHY P. HEIDMANN; PATRICK WADE OLSEN; FRED J. HEIDMANN; ALAN C. PHILLIPS; HAROLD GUTHART; ALAN A. BURNS; CHARLES L. RINO; PHILIP C. EVANS	08/208,903	12/10/1996	6,154,280	11/28/2000	1/10/16, patent expires
FXSP-01010000	USA	Original	Granted	SYSTEM FOR ENHANCING A VIDEO PRESENTATION	RICHARD H. CAVALLARO	08/786,586	1/17/1997	6,262,852	8/29/2001	1/17/17, patent expires
FXSP-01012000	Europe	Original	Granted	SYSTEM FOR RE-REGISTERING A SENSOR DURING A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; TIMOTHY P. HEIDMANN; PATRICK W. OLSEN; JAMES R. GLOUDEMANS	9650438	1/19/1998	10,101,250	3/7/2007	extended patent in US
FXSP-01012008	Great Britain	Original	Granted	SYSTEM FOR RE-REGISTERING A SENSOR DURING A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; TIMOTHY P. HEIDMANN; PATRICK W. OLSEN; JAMES R. GLOUDEMANS	98908436	8/5/10	10,919,290	3/7/2007	1/29/16, renewal due
FXSP-01012000	USA	Original	Granted	SYSTEM FOR RE-REGISTERING A SENSOR DURING A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; TIMOTHY P. HEIDMANN; PATRICK W. OLSEN; JAMES R. GLOUDEMANS	08/786,158	3/5/47	5,862,917	1/16/1998	1/17/17, patent expires
FXSP-01013000	Europe	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	STANLEY K. HONEY; RICHARD H. CAVALLARO; TERENCE J. O'BRIEN; TIMOTHY P. HEIDMANN; PATRICK W. OLSEN; JAMES R. GLOUDEMANS	98902437	1/15/1998	5,632,560	4/22/2000	validated patent in DE, FR, GB
FXSP-01013000	USA	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	STANLEY K. HONEY; RICHARD H. CAVALLARO; TERENCE J. O'BRIEN; TIMOTHY P. HEIDMANN; PATRICK W. OLSEN; JAMES R. GLOUDEMANS	08/786,208	1/17/1997	5,862,977	8/14/1998	1/17/17, patent expires
FXSP-01013000	Germany	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	STANLEY K. HONEY; RICHARD H. CAVALLARO; TERENCE J. O'BRIEN; TIMOTHY P. HEIDMANN; PATRICK W. OLSEN; JAMES R. GLOUDEMANS	98902437	1/15/1998	9,884,763	4/22/2000	1/29/16, renewal due
FXSP-01013000	France	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	STANLEY K. HONEY; RICHARD H. CAVALLARO; TERENCE J. O'BRIEN; TIMOTHY P. HEIDMANN; PATRICK W. OLSEN; JAMES R. GLOUDEMANS	98902437	1/15/1998	5,632,560	4/22/2000	1/29/16, renewal due

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Our File No.	Country	Type	Status	Title	Inventors	App. #	App. Date	Patent #	Issue Date	Action
FXSP-01013682	Great Brit	Original	Granted	SYSTEM FOR DISPLAYING AN OBJECT THAT IS NOT VISIBLE TO A CAMERA	STANLEY K. HONEY; RICHARD H. CAVALLARO; TERENCE J. O'BRIEN; THURDY P. HEIDMANN; PATRICK W. OLSEN; JAMES F. GLODSEMAN	0802437	1/15/2006	923286	4/22/2009	1/23/16; renewal due
NTGR-01009060	Germany	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; JERRY NEIL GEPNER; EDWARD GERALD GOREN; DAVID BLYTH HILL	07943438	08026	05/28/07; 8-02	4/14/2004	8/30/15; renewal due
NTGR-01009FR0	France	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; JERRY NEIL GEPNER; EDWARD GERALD GOREN; DAVID BLYTH HILL	07943438	08026	080808	4/14/2004	8/30/16; renewal due
NTGR-01009GB0	Great Britain	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; JERRY NEIL GEPNER; EDWARD GERALD GOREN; DAVID BLYTH HILL	07943438	08026	035889	4/14/2004	8/30/15; renewal due
NTSR-01009US0	USA	Original	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; JERRY NEIL GEPNER; EDWARD GERALD GOREN; DAVID BLYTH HILL	08735020	05360	0817053	02/08/09	10/20/15; patent expires
NTGR-01009US1	USA	File	Granted	A METHOD AND APPARATUS FOR ENHANCING THE BROADCAST OF A LIVE EVENT	STANLEY K. HONEY; RICHARD H. CAVALLARO; JERRY NEIL GEPNER; EDWARD GERALD GOREN; DAVID BLYTH HILL	08264138	06285	0441050	10/31/2008	10/22/16; patent expires
NTGR-01009US3	USA	CON	Granted	SYSTEM FOR ENHANCING VIDEO	STANLEY K. HONEY; RICHARD H. CAVALLARO; JERRY NEIL GEPNER; EDWARD GERALD GOREN; DAVID BLYTH HILL	08044524	07008	7154640	12/29/2006	8/29/18; 12 yr maint fee due

EXHIBIT C
Sportvision Registered Trademarks
As of January 6, 2016

Our File No.	Country	Status	Title	App. #	App. Date	Registration #	Issue Date	
SPTV-01004US0	US	Registered	SPORTVISION	75144,415	8/27/1995	2,150,107	5/18/1998	5/18/18; Section 889 Affidavit/Renewal due
SPTV-01018US0	US	Registered	1ST & TEN	75573,858	10/30/1988	2,527,896	1/6/2002	1/6/22; Section 889 Affidavit/Renewal due
SPTV-01068US0	US	Registered	SPORTVISION	78042,688	4/16/2001	3,855,758	4/27/2004	4/27/24; Section 889 Affidavit/Renewal due
SPTV-01148US0	US	Registered	L-VIS	74696,734	8/13/1985	3,538,442	3/12/2002	3/12/22; Section 889 Affidavit/Renewal due
SPTV-01150US0	US	Registered	C-TRAK	75522,788	7/11/1997	2,498,563	10/16/2001	10/16/21; Section 888 Affidavit/Renewal due
SPTV-01153US0	US	Registered	PITCHR	85523,428	8/17/2011	4,238,820	10/23/2012	10/23/18; Section 8815 Affidavit/Renewal due
SPTV-01164US0	US	Registered	HITBx	85523,434	5/17/2011	4,228,823	10/23/2012	10/23/18; Section 8815 Affidavit/Renewal due
SPTV-01158US0	US	Registered	FIELDIX	88523,432	5/17/2011	4,232,253	10/30/2012	10/30/18; Section 8815 Affidavit/Renewal due
SPTV-01198US0	US	Registered	BACEVx	85484,444	12/15/2011	4,284,438	2/26/2013	2/26/19; Section 8815 Affidavit/Renewal due
SPTV-01167US0	US	Pending	COMMANDIX	89472,582	12/6/2014			9/18/15; Rejection Response Brief