US009409081B2

(12) **United States Patent**
Jensen et al.

(10) **Patent No.: US 9,409,081 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **METHODS AND SYSTEMS FOR VISUALLY DISTINGUISHING OBJECTS APPEARING IN A MEDIA ASSET**

(71) Applicant: **United Video Properties, Inc.**, Santa Clara, CA (US)

(72) Inventors: **Paul G. Jensen**, Menlo Park, CA (US); **Bill Amidei**, La Jolla, CA (US)

(73) Assignee: **Rovi Guides, Inc.**, San Carlos, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 326 days.

(21) Appl. No.: **13/678,685**

(22) Filed: **Nov. 16, 2012**

(65) **Prior Publication Data**

US 2014/0141877 A1 May 22, 2014

(51) **Int. Cl.**

A63F 13/00	(2014.01)
H04N 21/44	(2011.01)
H04N 21/475	(2011.01)
H04N 21/41	(2011.01)
H04N 21/431	(2011.01)
H04N 21/4722	(2011.01)
H04N 21/81	(2011.01)
H04N 21/8543	(2011.01)

(52) **U.S. Cl.**

CPC ***A63F 13/00*** (2013.01); ***H04N 21/4126*** (2013.01); ***H04N 21/4316*** (2013.01); ***H04N 21/44008*** (2013.01); ***H04N 21/4722*** (2013.01); ***H04N 21/8133*** (2013.01); ***H04N 21/8543*** (2013.01)

(58) **Field of Classification Search**

CPC G06Q 50/01; G06Q 50/34; A63F 13/12; A63F 13/79; A63F 2300/537; A63F 2300/535; A63F 2011/0097; A63F 3/0615; G07F 17/3237; H04N 21/4755; H04N 21/84; H04N 21/25891; G04L 67/306; G06K 9/46; G06K 9/00268; G06K 9/325; G06F 3/0484; G06F 3/04842; G06F 17/2765; G06F 21/554

USPC 345/419, 629, 633; 463/5–9, 42; 725/47, 135; 705/26.1

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

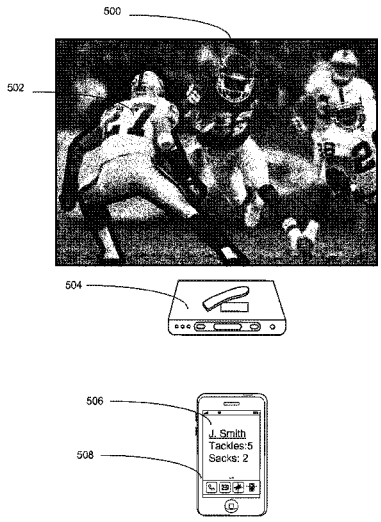
5,923,365	A	7/1999	Tamir et al.	
7,458,093	B2	11/2008	Dukes et al.	
7,675,520	B2	3/2010	Gee et al.	
8,522,300	B2 *	8/2013	Relyea et al.	725/135
8,556,694	B2 *	10/2013	Watanabe	463/7
8,768,782	B1 *	7/2014	Myslinski	705/26.1
2008/0009271	A1	1/2008	True et al.	
2008/0102911	A1 *	5/2008	Campbell et al.	463/9
2009/0082110	A1	3/2009	Relyea et al.	
2009/0111582	A1 *	4/2009	Schuler et al.	463/42
2011/0013087	A1	1/2011	House et al.	
2012/0009984	A1 *	1/2012	Amaitis	G07F 17/3237 463/4
2013/0083003	A1 *	4/2013	Perez et al.	345/633
2013/0157737	A1 *	6/2013	Daly	463/9
2014/0011573	A1 *	1/2014	Amaitis et al.	463/42
2014/0325567	A1 *	10/2014	Mangat et al.	725/47

* cited by examiner

Primary Examiner — Chante Harrison

(74) *Attorney, Agent, or Firm* — Ropes & Gray LLP

(57) **ABSTRACT**

Methods and systems are described herein for a media application that indicates to a user when members of his or her fantasy sports team appear in sports programming displayed on a user device. In addition, the media application may display additional information (e.g., statistics, commentary, highlights, etc.) that is particular to members of the fantasy sports team of the user.

27 Claims, 9 Drawing Sheets