US008400564B2

(12) **United States Patent**
Jacobs

(10) **Patent No.: US 8,400,564 B2**
(45) **Date of Patent: Mar. 19, 2013**

(54) **IMAGE CAPTURE**

(75) Inventor: **Joel B. Jacobs**, Seattle, WA (US)

(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 260 days.

(21) Appl. No.: **12/772,805**

(22) Filed: **May 3, 2010**

(65) **Prior Publication Data**

US 2011/0267478 A1 Nov. 3, 2011

(51) **Int. Cl.**
H04N 5/225 (2006.01)
H04N 5/222 (2006.01)
G09G 5/00 (2006.01)

(52) **U.S. Cl.** **348/376**; 348/207.1; 348/333.12; 345/1.3

(58) **Field of Classification Search** 348/207.1, 348/376, 1.3, 333.01, 333.11, 333.12; 345/1.3
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,046,404	B2	5/2006	Cheatle et al.	
7,616,976	B2	11/2009	Fourquin et al.	
8,120,657	B2 *	2/2012	Li et al.	348/207.1
2003/0048271	A1	3/2003	Liess et al.	
2006/0103893	A1	5/2006	Azimi et al.	
2006/0164526	A1 *	7/2006	Suzuki et al.	348/239
2006/0183505	A1 *	8/2006	Willrich	455/566
2008/0002049	A1	1/2008	Saito	
2009/0059043	A1	3/2009	Demuynck	
2009/0167934	A1	7/2009	Gupta	
2009/0262209	A1	10/2009	Pai et al.	
2009/0322706	A1 *	12/2009	Austin	345/175
2010/0079369	A1 *	4/2010	Hartmann et al.	345/156
2010/0085274	A1 *	4/2010	Kilpatrick et al.	345/1.3
2011/0037952	A1 *	2/2011	LaDuke et al.	353/28
2012/0084675	A1 *	4/2012	Sirpal et al.	715/761

FOREIGN PATENT DOCUMENTS

KR	200205201	12/2000
KR	20090021902	3/2009
WO	WO 2007081290 A1 *	7/2007

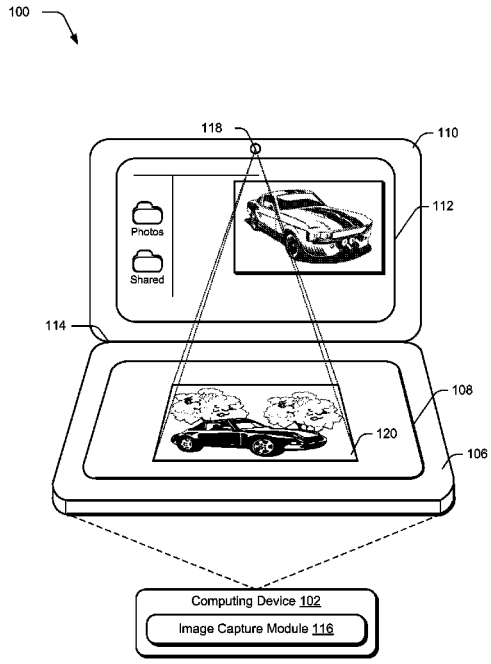
OTHER PUBLICATIONS

Pirvu, Dragos., "What Apple Tablet? Here is the Microsoft Courier Dual-Screen Booklet", Retrieved at << http://www.softsailor.com/news/8047-what-apple-tablet-here-is-the-microsoft-courier-dual-screen-booklet.html >>, Sep. 23, 2009, pp. 4.

(Continued)

Primary Examiner — Tuan Ho
Assistant Examiner — Shahbaz Nazrul
(74) *Attorney, Agent, or Firm* — Wolfe-SBMC

(57) **ABSTRACT**

Image capture techniques are described. In implementations, an image is captured, by an image capture device of a computing device, of an object that is disposed on a surface of a first display device of the computing device. The computing device includes a first housing that includes the first display device and a second housing that is rotatable attached to the first housing and that includes a second display device. The captured image is displayed on at least one of the first display device or the second display device.

14 Claims, 8 Drawing Sheets