



US006847388B2

(12) **United States Patent**
Anderson

(10) **Patent No.:** **US 6,847,388 B2**
(45) **Date of Patent:** **Jan. 25, 2005**

(54) **METHOD AND SYSTEM FOR ACCELERATING A USER INTERFACE OF AN IMAGE CAPTURE UNIT DURING PLAY MODE**

(75) **Inventor:** **Eric C. Anderson**, San Jose, CA (US)

(73) **Assignee:** **FlashPoint Technology, Inc.**, Peterborough, NH (US)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 137 days.

(21) **Appl. No.:** **09/895,946**

(22) **Filed:** **Jun. 29, 2001**

(65) **Prior Publication Data**

US 2001/0033303 A1 Oct. 25, 2001

Related U.S. Application Data

(63) Continuation of application No. 09/311,173, filed on May 13, 1999, now Pat. No. 6,278,447.

(51) **Int. Cl.**⁷ **G09G 5/00; H04N 5/222**

(52) **U.S. Cl.** **345/854; 345/700; 345/719; 345/838; 348/333.05; 348/333.11**

(58) **Field of Search** **345/700, 716, 345/719, 723, 730-732, 764, 784, 835, 838-839, 854; 848/207.99, 222.1, 231.02-231.05, 239, 333.01-333.02, 333.05, 333.11, 333.12; 348/209.99, 222.1, 231.2-231.5, 333.01, 333.02, 333.05, 333.11, 333.12**

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,016,107 A 5/1991 Sasson et al.
- 5,164,831 A 11/1992 Kuchta et al.
- 5,341,466 A 8/1994 Perlin et al.
- 5,345,552 A 9/1994 Brown
- 5,414,811 A 5/1995 Parulski et al.

- 5,434,969 A 7/1995 Heilveil et al.
- 5,440,401 A * 8/1995 Parulski et al. 386/124
- 5,493,335 A 2/1996 Parulski et al.
- 5,521,717 A 5/1996 Maeda
- 5,528,293 A 6/1996 Watanabe
- 5,576,757 A 11/1996 Roberts et al.
- 5,706,097 A 1/1998 Schelling et al.
- 5,706,457 A 1/1998 Dwyer et al.
- 5,724,579 A 3/1998 Suzuki
- 5,757,418 A 5/1998 Inagaki
- 5,761,655 A 6/1998 Hoffman
- 5,933,137 A 8/1999 Anderson
- 5,978,016 A 11/1999 Lourette et al.
- 6,020,920 A 2/2000 Anderson
- 6,147,703 A * 11/2000 Miller et al. 348/220.1
- 6,147,709 A * 11/2000 Martin et al. 348/239
- 6,233,015 B1 * 5/2001 Miller et al. 348/333.05
- 6,278,447 B1 * 8/2001 Anderson 345/723
- 6,441,927 B1 * 8/2002 Dow et al. 358/473
- 6,445,412 B1 * 9/2002 Shiohara 348/333.05

* cited by examiner

Primary Examiner—Sy D. Luu

(74) *Attorney, Agent, or Firm*—Sawyer Law Group LLP

(57) **ABSTRACT**

A method and system for accelerating a user interface on a display of an image capture unit is disclosed. The image capture unit includes a plurality of image files for providing a plurality of images, each image file includes a high resolution image therein. The image capture unit includes controls for allowing an image to be viewed on the display and for allowing navigation between the plurality of images. The method and system in accordance with the present invention comprises providing a lower resolution image within each image file, the lower resolution image being associated with the high resolution image within a particular image file, wherein both the lower and higher resolution images are substantially display-sized; allowing the lower resolution image to be viewed on the display; and replacing display of the lower resolution images with the high resolution image if the user has not navigated to another image.

15 Claims, 17 Drawing Sheets

110

