



US007415662B2

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

(10) **Patent No.:** **US 7,415,662 B2**
(45) **Date of Patent:** **Aug. 19, 2008**

(54) **DIGITAL MEDIA MANAGEMENT APPARATUS AND METHODS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 536 days.

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(21) Appl. No.: **10/198,618**

(Continued)

(22) Filed: **Jul. 17, 2002**

(65) **Prior Publication Data**

US 2003/0033296 A1 Feb. 13, 2003

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Related U.S. Application Data

(57) **ABSTRACT**

(60) Provisional application No. 60/334,516, filed on Oct. 31, 2001.

(51) **Int. Cl.**
G06F 17/00 (2006.01)
G06F 17/20 (2006.01)
G06F 17/30 (2006.01)
G06F 7/00 (2006.01)

(52) **U.S. Cl.** **715/200; 715/225; 707/3**

(58) **Field of Classification Search** **715/500, 715/530; 707/3**

See application file for complete search history.

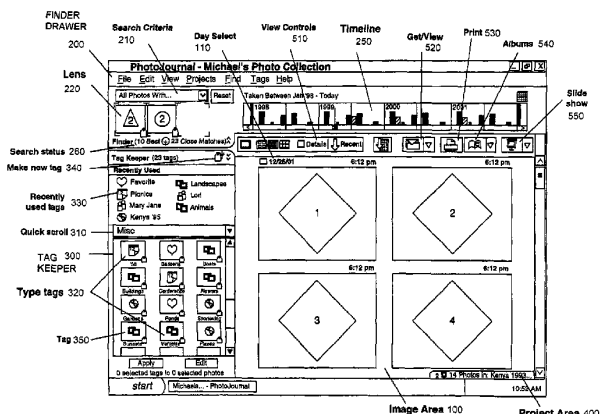
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Methods and apparatus for managing, finding and displaying objects such as digital images. Objects are tagged ("associated") with descriptive textual and numeric data ("meta-data"), and stored in a relational database from which they can be selected, sorted, and found. Tags can be defined by name, tag type, and associated attributes. Objects can be tagged by dropping a tag onto the object, or relating a database record for the tag to a database record for the object. Tagged objects can be searched for and displayed according to the degree to which their metadata matches the search criteria. Visual cues can indicate whether displayed objects match all, some but not all, or none of the search criteria. Database object distributions can be displayed as histograms or scatter plots, including timelines, calendars or maps. Object distributions can be used to search for objects or to limit search results for a previous search.

30 Claims, 6 Drawing Sheets



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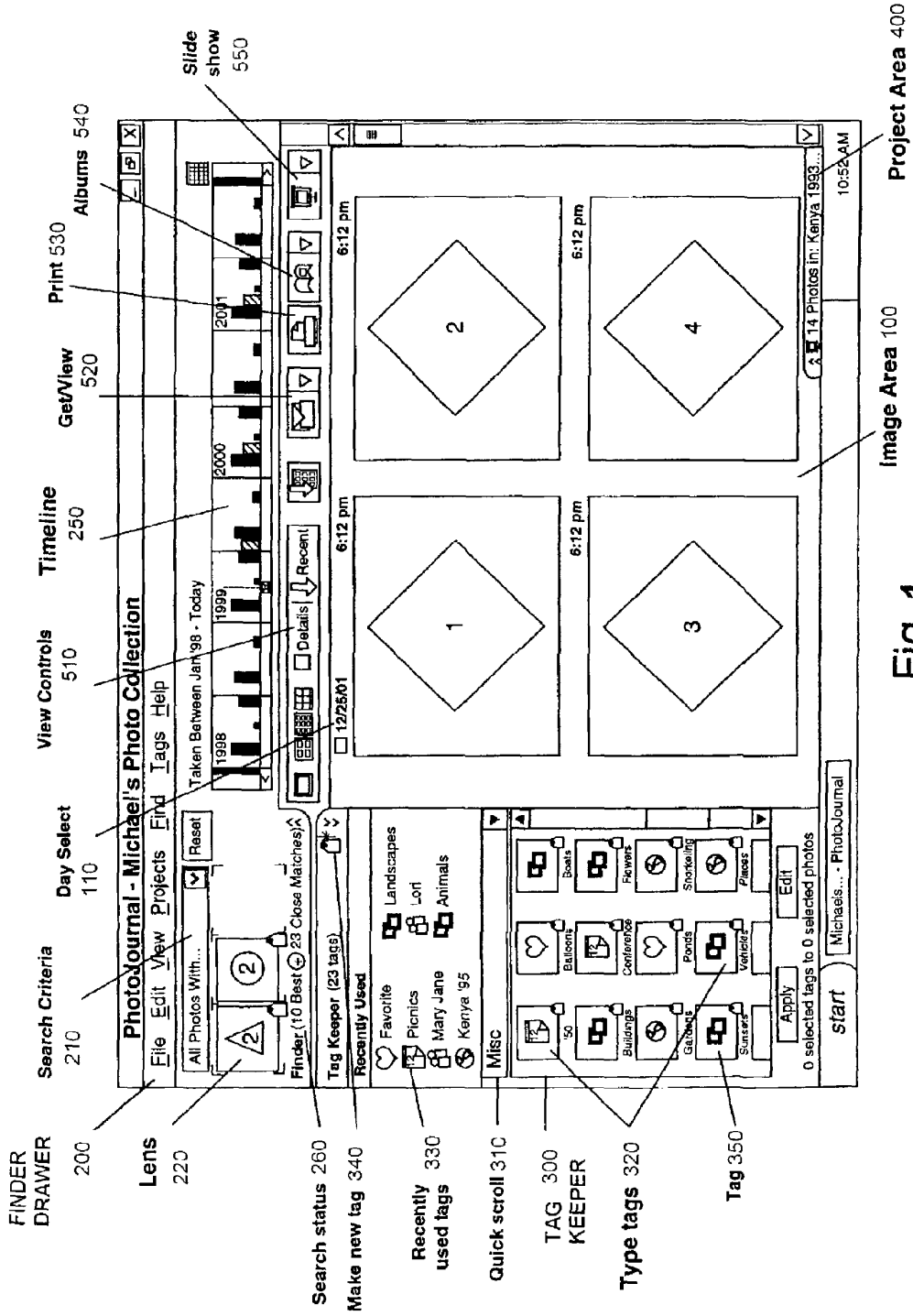


Fig. 1

Photo Notes

At: 2:38 pm

Shot On: 12/29/01

2

Lori on the road at Legoland

Lori R. San Diego
 Shared From: Aunt Mary
 Shared with: Sis, Andy
 Printed On: 8/10/01, 8/17/01, ...
 In Album:
 In Slideshow: Legoland
 Image: /Photos/D122101/Photos
 2048 x 1280 (725 KB)

Fig. 2

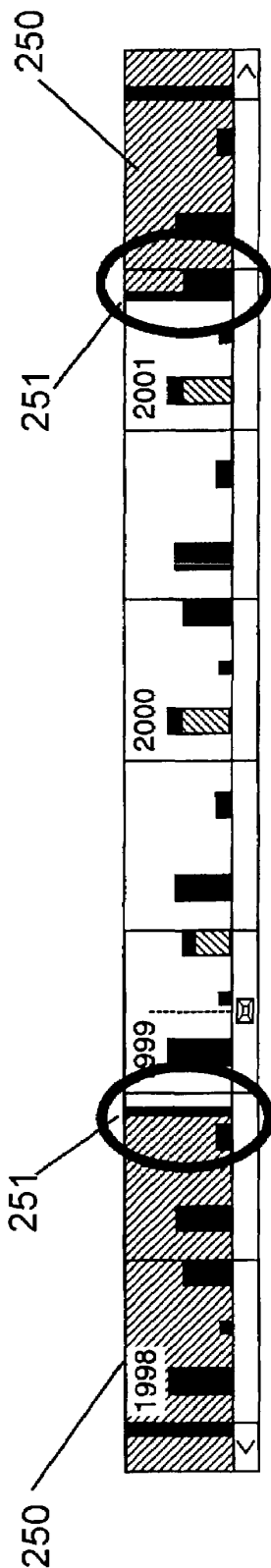


Fig. 3

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