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# (12) United States Patent

#### Dowdy

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# (54) AUTOMATED CREATION OF MEDIA ASSET ILLUSTRATION COLLAGE

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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 462 days.

- (21) Appl. No.: 11/078,583
- (22) Filed: Mar. 11, 2005

#### (65) Prior Publication Data

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#### Related U.S. Application Data

- (60) Provisional application No. 60/622,280, filed on Oct. 25, 2004.
- (51) **Int. Cl. G06F 15/00** (2006.01) **G06F 17/00** (2006.01)

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

5,459,824 A *	10/1995	Kashiwazaki 345/593
2002/0027561 A1*	3/2002	Wu 345/593
2002/0054079 A1*	5/2002	Russel 345/738
2002/0193895 A1*	12/2002	Qian et al 700/94
2003/0107585 A1*	6/2003	Samuelson 345/629
2003/0174882 A1*	9/2003	Turpin et al 382/162
2004/0054542 A1*	3/2004	Foote et al 704/500
2004/0071922 A1*	4/2004	McCarthy et al 428/43

2004/0164991 A1	8/2004	Rose
2005/0031197 A1*	2/2005	Knopp 382/154
2005/0141771 A1*	6/2005	Yamakado et al 382/232
2006/0066627 A1*	3/2006	Gerhard et al

#### OTHER PUBLICATIONS

Miser et al., iPod + iTunes Starter Kit, Publisher: Que, Pub Date: Dec. 1, 2004, pp. 1-12.\*

Chopde, Avinash, CD/DVD Inserts and Envelopes, Nov. 2003, cdlablegen, version 3.0.0, pp. 1-5.\*

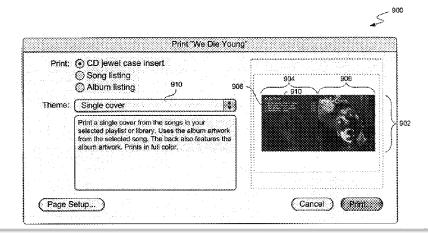
(Continued)

Primary Examiner—Doug Hutton Assistant Examiner—Nathan Hillery

(57) ABSTRACT

Techniques for producing a media asset illustration collage are disclosed. These techniques involve, for instance, obtaining a media asset list containing media asset information, obtaining one or more media asset illustrations associated with the media asset list, determining a color scheme based on the one or more media asset illustrations, and producing a media asset illustration collage according to the color scheme. Further, these techniques involve analyzing the one or more media asset illustrations, determining, based on the analysis, one or more dominant colors for each of the media asset illustrations, determining, based on one or more of the dominant colors, one or more alternate colors for each of the media asset illustrations, prioritizing the one or more media asset illustrations based on the media asset list, selecting one or more the of the determined dominant colors from the media asset illustration having the highest priority, and creating the color scheme for the media asset illustration collage based on the selected dominant color.

# 34 Claims, 15 Drawing Sheets (2 of 15 Drawing Sheet(s) Filed in Color)





#### OTHER PUBLICATIONS

Obrador, Pere, Automatic color scheme picker for document templates based on image analysis and dual problem, Jan. 19, 2006, Hewlett-Packard Laboratories, pp. 1-10.\* "Color Terminology," Carnright Design, 2004, downloaded from

"Color Terminology," Carnright Design, 2004, downloaded from www.carnrightdesign.com/color4business/speaking\_color.htm on Jan. 13, 2005.

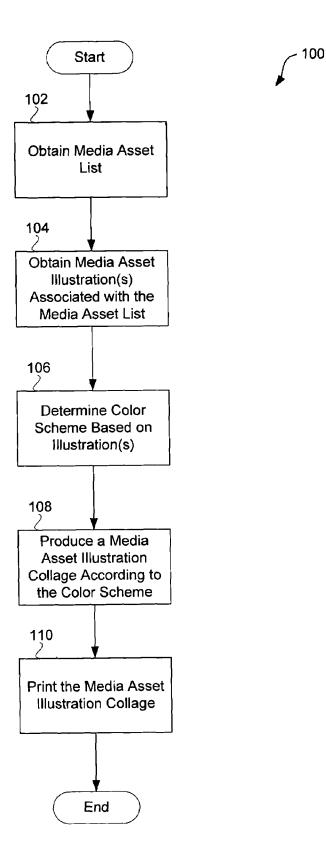
"Color Wheel," downloaded from http://hort.ifas.ufl.edu/TEACH/floral/color.htm on Jan. 13, 2005.

"Complimentary Chromatic Colors," downloaded from www.smartpixel.net/chromoweb/uks/indexgb.html on Nov. 22, 2004. "Color and Vision Questions and Answers," Color Vision FAQ, downloaded from www.cis.rit.edu/mcsl/faq/faql.shtml on Nov. 22, 2004.

Moretti, et al., "Tools for the Selection of Colour Palettes," Institute of Information Sciences and Technology Massey University, New Zealand.

\* cited by examiner









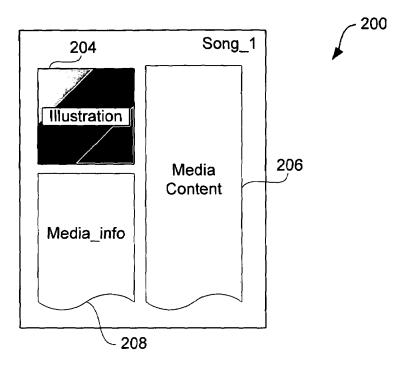


Figure 2A

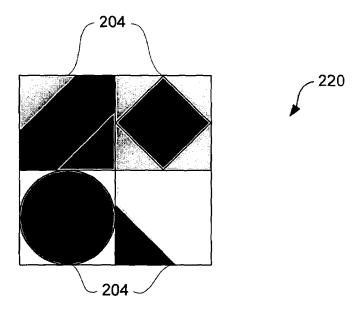
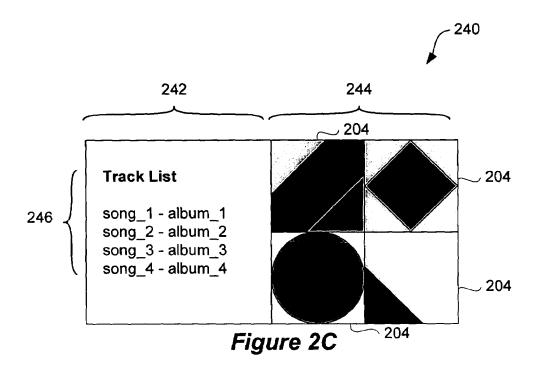
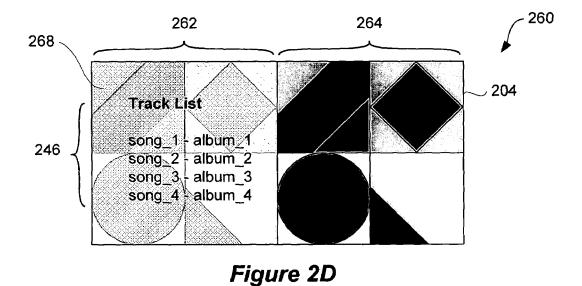


Figure 2B







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