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T. LAWRENCE
Certifying Officer

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

(10) **Patent No.:** **US 7,477,284 B2**
(45) **Date of Patent:** **Jan. 13, 2009**

- (54) **SYSTEM AND METHOD FOR CAPTURING AND VIEWING STEREOSCOPIC PANORAMIC IMAGES**
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- (73) Assignee: **Yissum Research Development Company of the Hebrew University of Jerusalem**, Jerusalem (IL)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 894 days.

(21) Appl. No.: **09/861,859**

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(51) **Int. Cl.**
H04N 13/00 (2006.01)

(52) **U.S. Cl.** **348/53**

(58) **Field of Classification Search** 348/36, 348/42, 51, 158, 218.1, 98, 44, 46, 48, 49, 348/52, 53; 382/154, 232, 294, 299, 284, 382/268; 352/57, 69-70; 396/324; *H04N 13/00*

See application file for complete search history.

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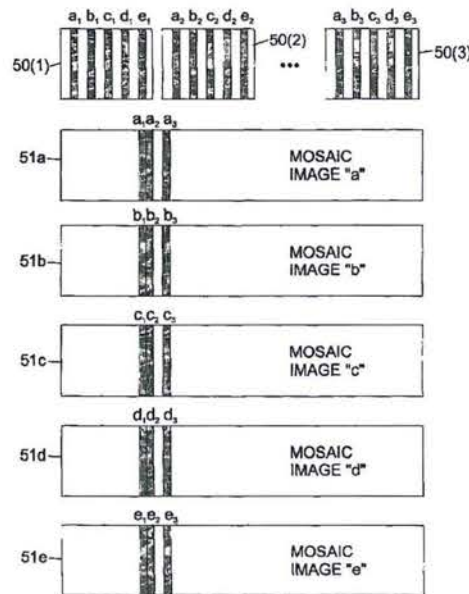
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(57) **ABSTRACT**

Method and apparatus for generating images of a scene from image data of the scene and displaying the images to provide a sense of depth. In some embodiments of the method and apparatus the generated images are mosaics.

55 Claims, 6 Drawing Sheets



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FIG. 1

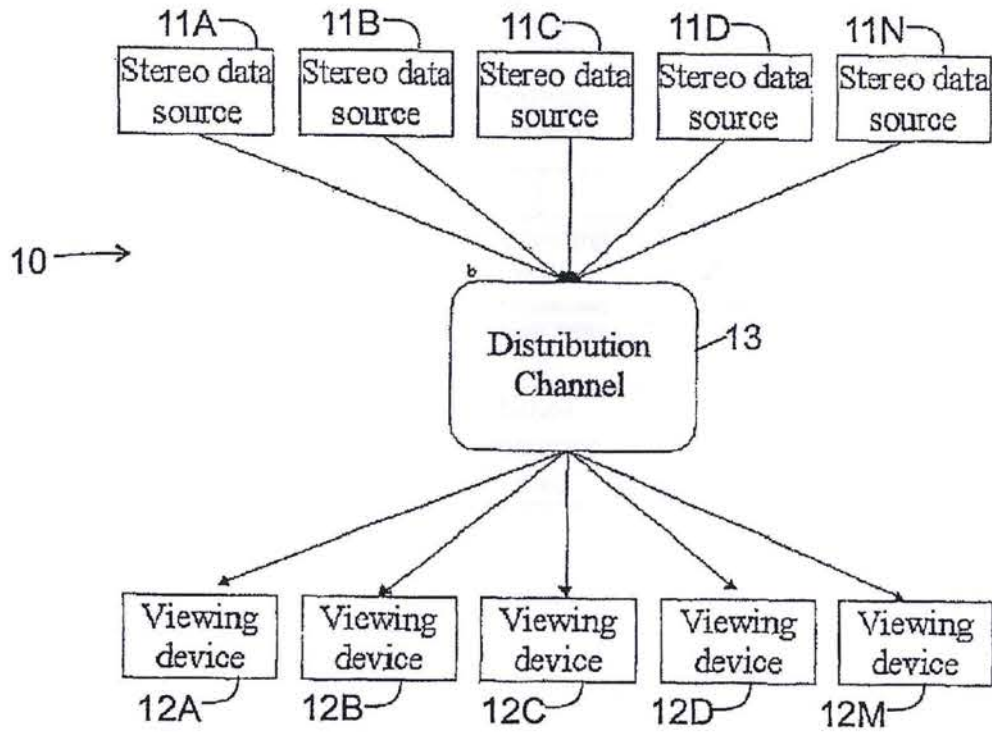
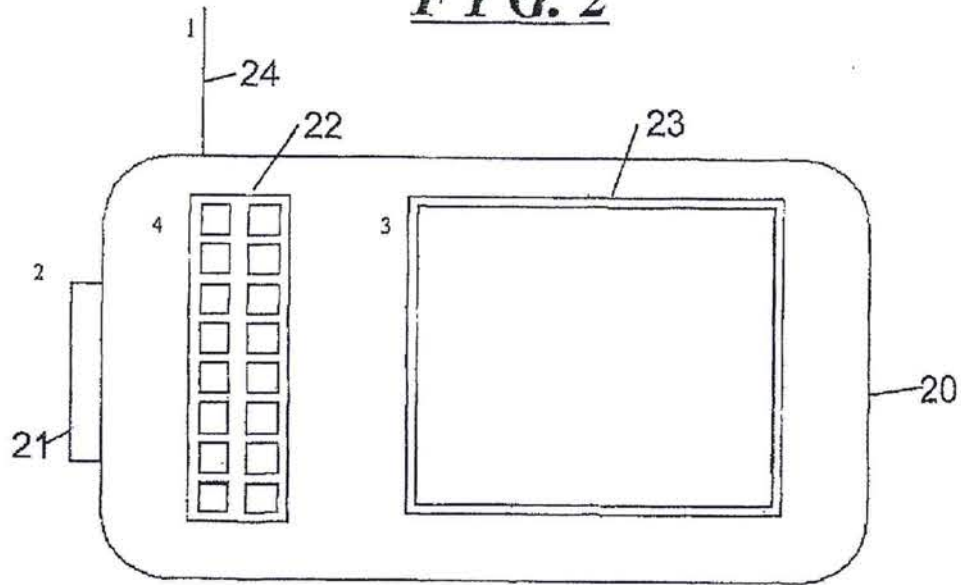


FIG. 2



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