



US006784971B2

(12) **United States Patent**
Klamer

(10) **Patent No.:** **US 6,784,971 B2**
(45) **Date of Patent:** **Aug. 31, 2004**

(54) **DIGITAL PROJECTING APPARATUS AND METHOD WITH ASYMMETRICAL STROBOSCOPY**

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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 89 days.

(21) **Appl. No.:** 09/942,813

(22) **Filed:** Aug. 30, 2001

(65) **Prior Publication Data**

US 2002/0044355 A1 Apr. 18, 2002

Related U.S. Application Data

(60) Provisional application No. 60/229,462, filed on Sep. 1, 2000.

(51) **Int. Cl.⁷** G03B 21/32; G03B 9/08

(52) **U.S. Cl.** 352/85; 352/204

(58) **Field of Search** 352/85, 204, 244; 353/122; 348/743, 490

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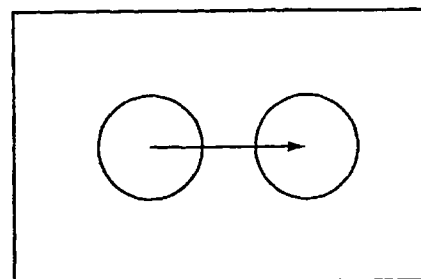
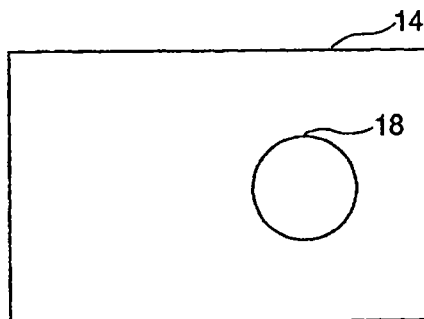
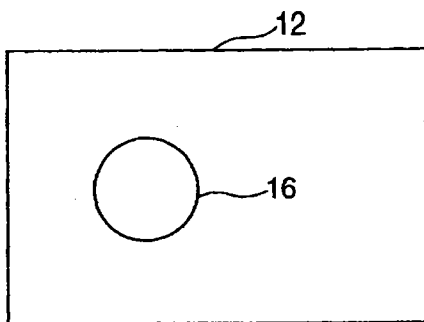
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Primary Examiner—Rodney Fuller

(57) **ABSTRACT**

A digital projector that projects moving images from a data stream also generates black intervals selected to induce a stroboscopic effect in a viewer's eye. The black signals are interspaced with the images in a manner so as to simulate the operation of a standard movie projector thereby insuring that the effects of temporal and spatial artefacts normally associated with digital projectors are reduced.

17 Claims, 3 Drawing Sheets



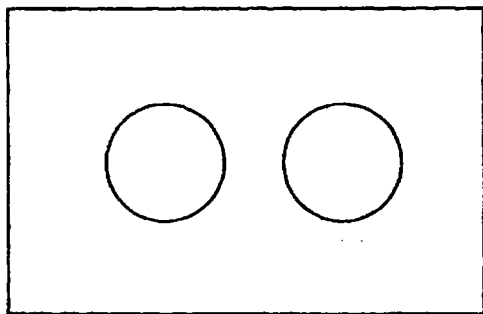
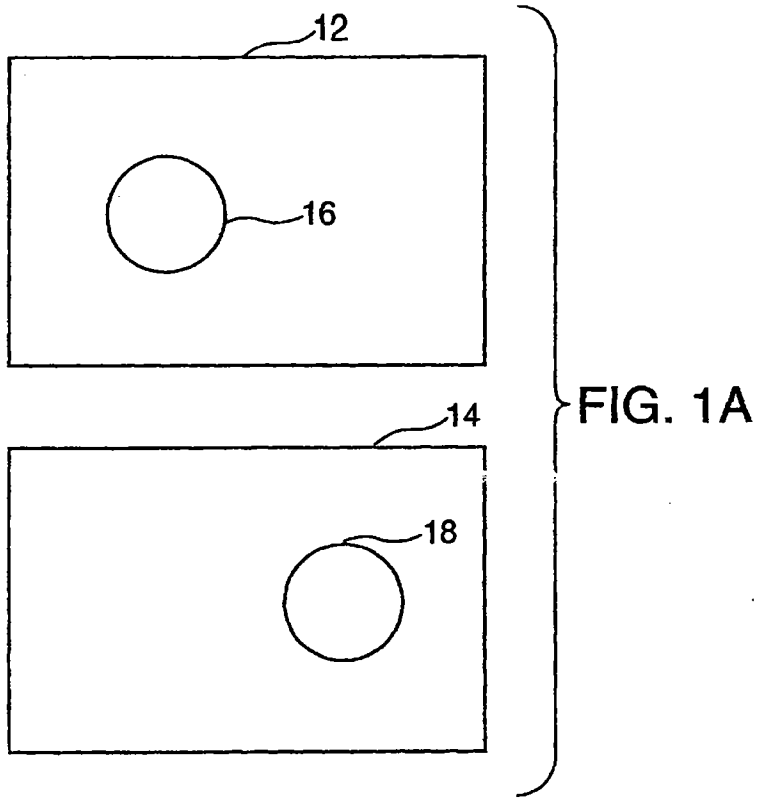


FIG. 1B

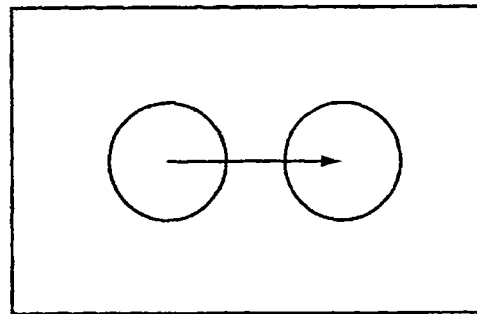


FIG. 1C

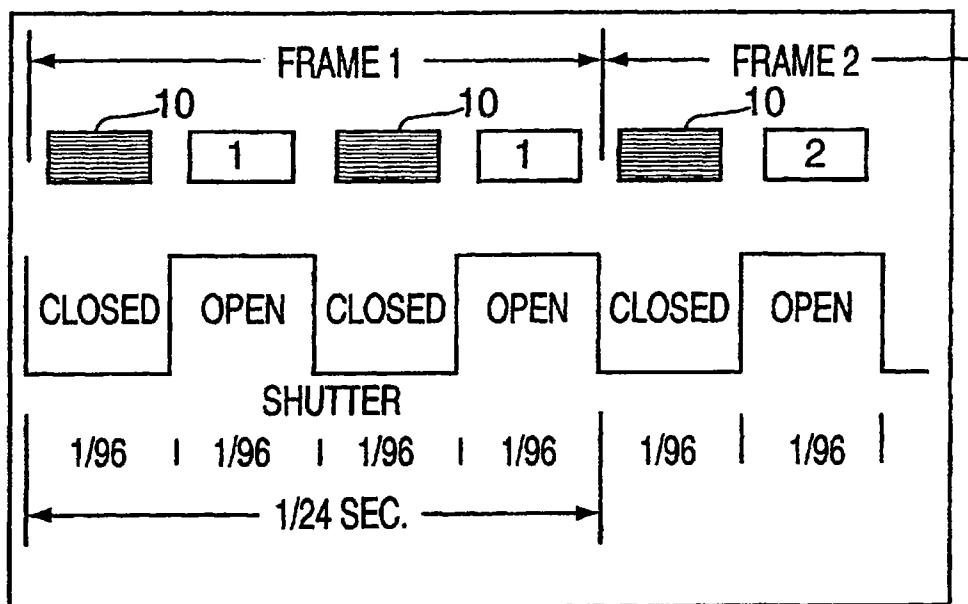


FIG. 2
PRIOR ART

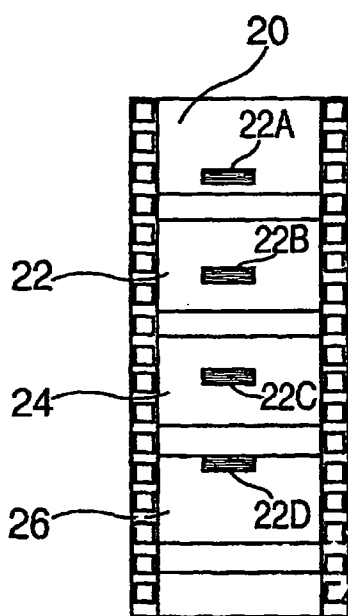


FIG. 3A

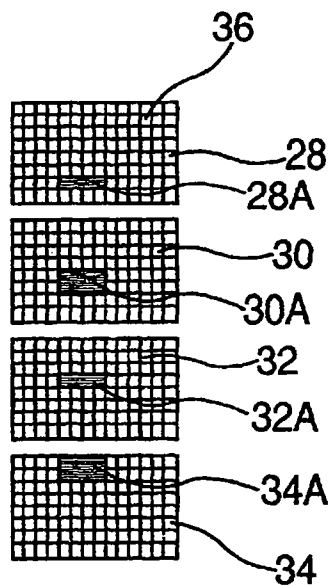


FIG. 3B

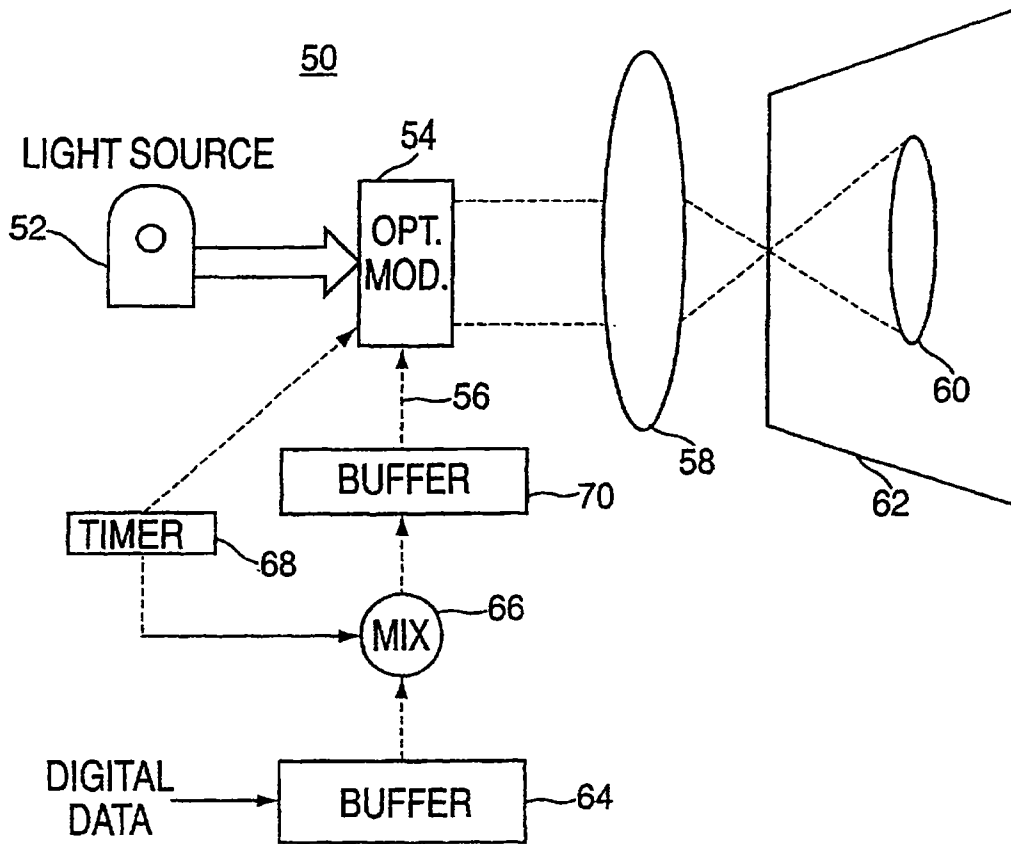


FIG. 4

