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(71) Applicant: **UNIVERSAL CITY STUDIOS LLC**
[US/US]; 100 Universal City Plaza, Universal City, California 91608 (US).

(72) Inventor: **JEROMIN, Aaron**; 1000 Universal Studios Plaza, Orlando, Florida 32819 (US).

(74) Agent: **POWELL, W. Allen** et al.; P.O. Box 692289, Houston, Texas 77269 (US).

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(54) Title: LIGHT DISPLAY SYSTEMS

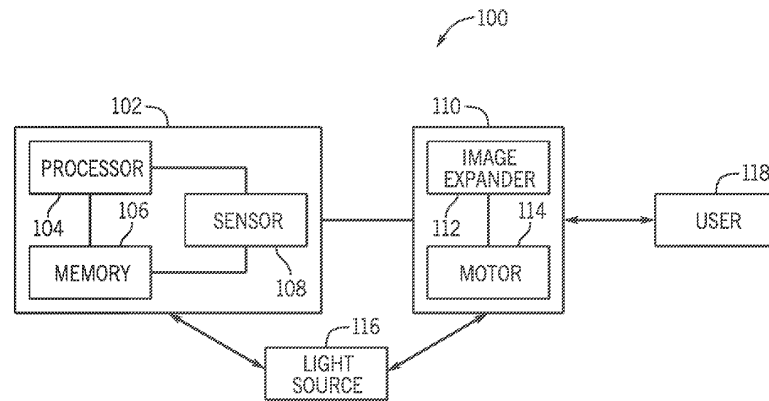


FIG. 1

(57) Abstract: A light display system may display an image to a user and/or an audience using a persistence of vision effect. In an embodiment, a light display system includes a light source configured to emit a plurality of light patterns that correspond to multiple frames of an image. The light source is configured to sequentially emit the plurality of light patterns based on instructions from a control system such that the multiple frames are presented in a sequence at a first rate. The light display system also includes an image expander configured to reflect the plurality of light patterns toward a user of the head-mounted device, wherein at least a portion of the image expander is configured to rotate relative to the light source at a second rate that is coordinated with the first rate by the control system to thereby display the image for visualization by the user.

[Continued on next page]

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