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(54) Title: SYSTEMS AND METHODS FOR OPTICAL PERFORMANCE CAPTURED ANIMATED FIGURE WITH REAL-TIME REACTIVE PROJECTED MEDIA

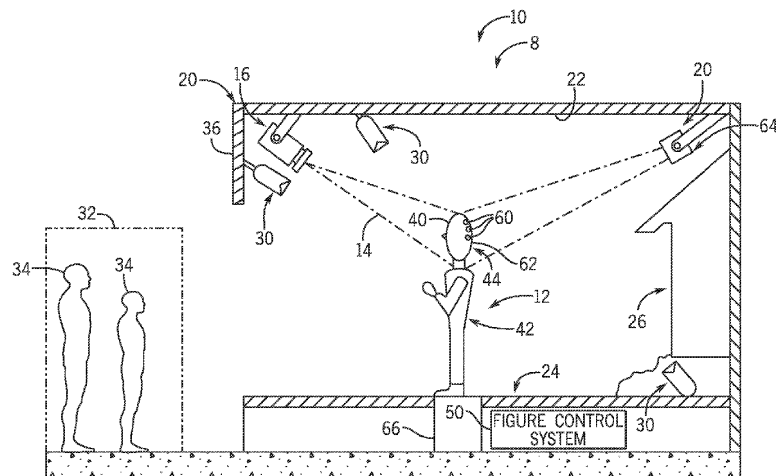


FIG. 1

(57) Abstract: A reactive media system (8) includes a motion control system (50) having an animated figure (12) with a body and actuators configured to adjust a figure portion of the body in response to interactive data received from one or more interactive data sources. The reactive media system includes a media control system (20) having a tracking camera (64) configured to generate signals indicative of a current position and orientation of the figure portion based on a set of trackers (60) coupled to the figure portion. The media control system includes a media controller configured to receive the signals, determine the current position and orientation based on the signals, and generate data indicative of images to be projected onto an external surface of the figure portion having the current position and orientation. The media control system also includes a projector (16) configured to receive the data from the media controller and project the images onto the external surface.

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