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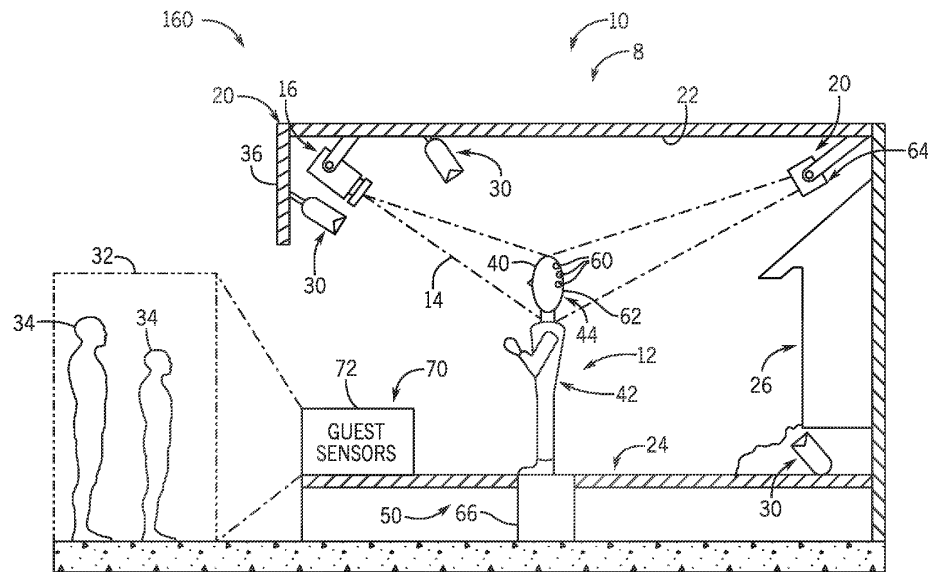


FIG. 1

(57) Abstract: A dynamic projection mapping system includes a projector (16) configured to project visible light. The dynamic projection mapping system also includes a calibration assembly having a sensor configured to detect the visible light projected by the projector (16) and an emitter configured to emit infrared light. The dynamic projection mapping system further includes a tracking sensor (64) configured to detect the infrared light emitted by the emitter. The dynamic projection mapping system further includes one or more processors configured to perform a calibration to align the projector (16) and the tracking sensor (64) based on sensor signals received from the sensor and from the tracking sensor (64).

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