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(54) Title: SYSTEMS AND METHODS FOR PROVIDING A SHOW EFFECT USING A DETECTABLE MARKER

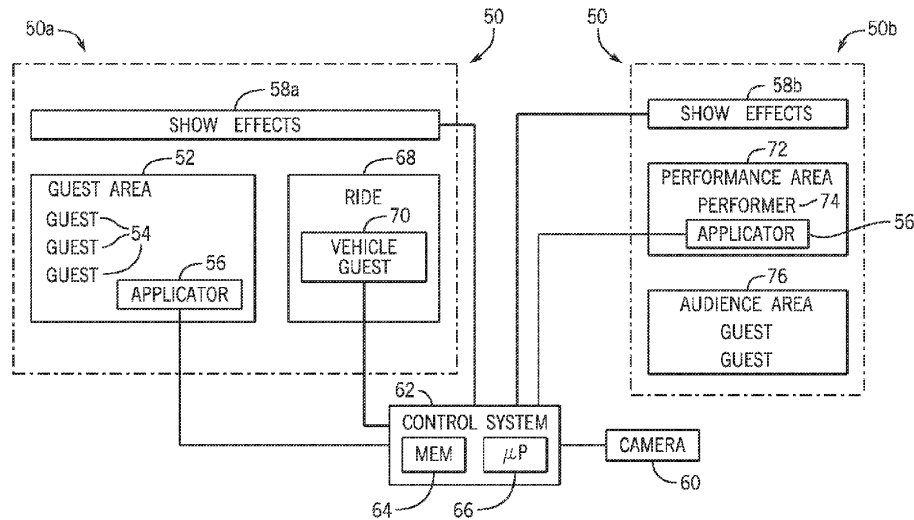


FIG. 1

(57) Abstract: A show effect system may include an applicator configured to apply a detectable marker, a camera configured to generate image data representative of an environment with the detectable marker, and a control system communicatively coupled to the camera and comprising a processor and a memory, wherein the memory stores instructions executable by the processor. The detectable marker may include an ultra-violet (UV) component with a detectable wavelength range corresponding to UV-A, UV-B or UV-C. The processor may execute the instructions that cause the processor to determine a motion of the detectable marker based on the image data and determine that the motion of the detectable marker corresponds to a target motion. The processor may also identify a show effect that may be associated with the target motion and trigger generation of the show effect in the environment.

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