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(54) Title: AUGMENTED REALITY DISPLAY WITH ADJUSTABLE PARALLAX

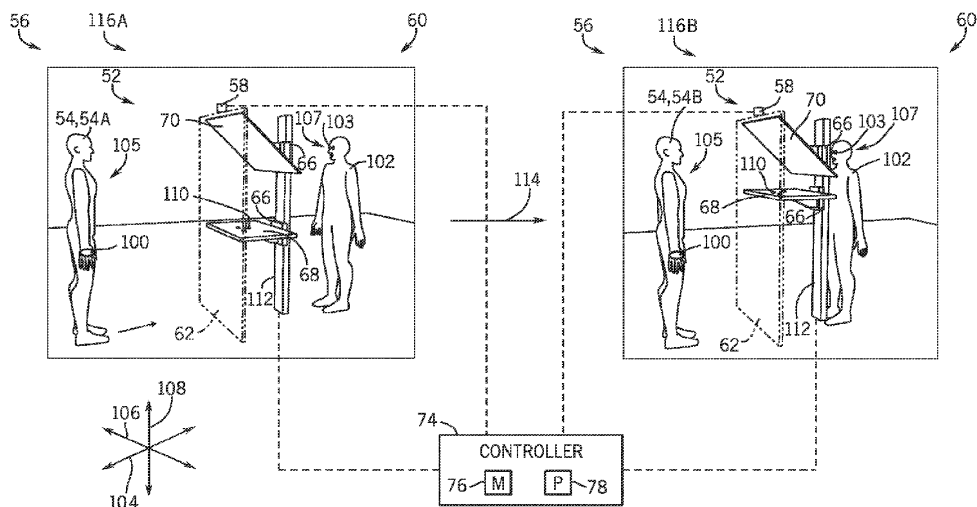


FIG. 2

(57) Abstract: A show effect system (56) of an amusement park may include a sensor (58) transmitting guest data, a display (68) projecting virtual imagery, and a mirror (70) deflecting the virtual imagery. The show effect system (56) may also include an actuator (66) coupled to the display (68) and/or the mirror (70) and a beam splitter (62) with a partially transmissive and partially reflective viewing surface positioned between the viewing area and the mirror (70). The beam splitter (62) may reflect light from the viewing area as reflected imagery back to the viewing area and enable transmission of the virtual imagery deflected off the mirror (70) through the beam splitter (62) to the viewing area as transmitted imagery. The show effect system (56) may also include a controller (74) communicatively coupled to the sensor (58), the actuator (66), and the display (68). The controller (74) may instruct the actuator (66) to adjust a position and/or orientation of the display (68), the mirror (70), or both based on the guest data.

[Continued on next page]

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