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(54) Title: RIDER MONITORING USING DEPTH SENSOR

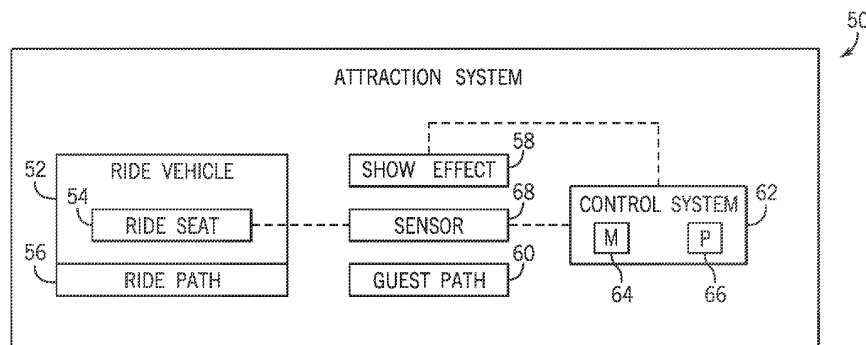


FIG. 1

(57) Abstract: An attraction system includes a sensor configured to emit an output signal toward a guest area and receive a reflected signal from the guest area and a control system communicatively coupled to the sensor. The control system is configured to receive data from the sensor, in which the data is indicative of a distance of signal travel based on the output signal and the reflected signal. The control system is also configured to compare the distance of signal travel with an unoccupied distance value corresponding to a distance between the sensor and the guest area being unoccupied, and determine whether the guest area is occupied based on comparing a difference between the distance of signal travel and the unoccupied distance value with a threshold.

[Continued on next page]

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