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(54) **Title:** SYSTEMS AND METHODS TO FACILITATE GUEST CONTROL OF A RIDE VEHICLE

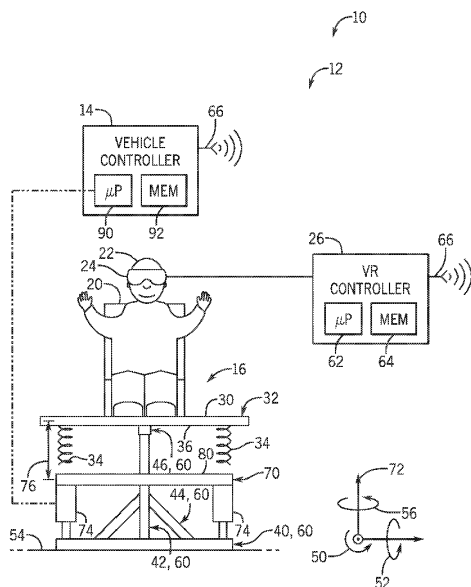


FIG. 1

(57) **Abstract:** A ride vehicle control system for a ride vehicle of an attraction includes multiple sensors that are configured to monitor a guest supported by the ride vehicle. The ride vehicle control system also includes an actuator system configured to couple to the ride vehicle. The ride vehicle control system further includes one or more processors that are configured to receive signals from the multiple sensors, wherein the signals are indicative of a position of the guest, a movement of the guest, or both. The one or more processors are also configured to determine an intended movement for the ride vehicle based on the signals and to control the actuator system to adjust a resistance to movement of the ride vehicle to facilitate the intended movement.

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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