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(54) Title: MULTI-DEGREE OF FREEDOM ELEVATOR RIDE SYSTEM

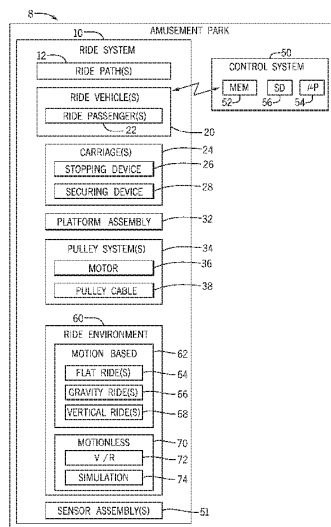


FIG. 1

(57) Abstract: A ride system (10) to control ride vehicle motion includes a carriage (24) that receives and secures a ride vehicle (20). The ride system (10) also includes a plurality of pulley systems (34) drivingly coupled to the carriage (24). Each pulley system of the plurality of pulley systems (34) include a pulley, a pulley cable (38) engaged with the pulley and attached to a portion of the carriage (24), and a motor (36) drivingly coupled to the pulley to drive pulley motion and pulley cable motion, and thereby cause the portion of the carriage (24) to displace in accordance with the pulley motion and the pulley cable motion.

WO 2020/112407 A2

[Continued on next page]

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