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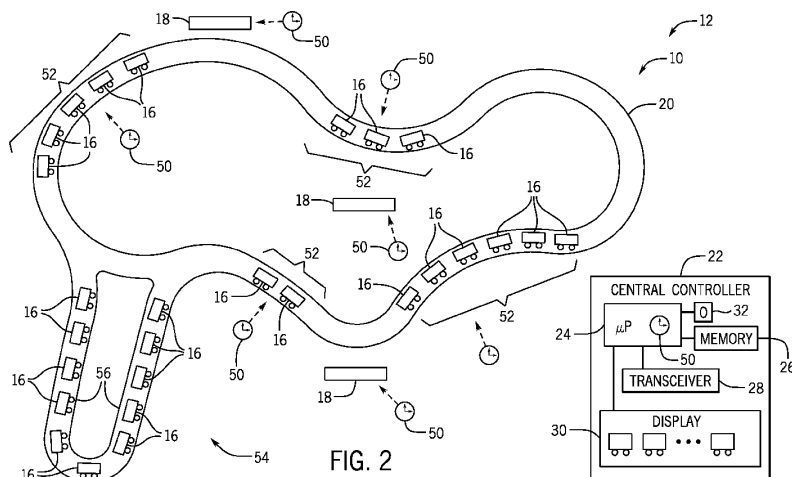
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(54) Title: SYSTEMS AND METHODS FOR RIDE CONTROL SYNCHRONIZATION



(57) Abstract: A ride control system (12) includes a central controller (22) configured to synchronize movements of separate groups of ride vehicles (52) along a path (20). Each of the separate groups of ride vehicles (52) includes multiple individual ride vehicles (16) unconnected to one another and forming a virtual train (52). Each virtual train (52) is assigned one or more schedules having multiple expected positions along the path (20) and multiple expected timestamps. Each of the expected timestamps of the multiple expected positions are associated with respective expected positions of the multiple expected positions. The ride control system (12) also includes multiple vehicle controllers (33). Each vehicle controller (33) of the multiple vehicle controllers (33) is communicatively coupled to a respective individual ride vehicle (16) of the multiple individual ride vehicles (16). Each vehicle controller (33) is configured to control a speed of the respective individual ride vehicle (16) along the path (20) based at least on the one or more schedules.

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