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(54) Title: TETHER ACTUATION SYSTEMS AND METHODS FOR VISUALIZATION DEVICE

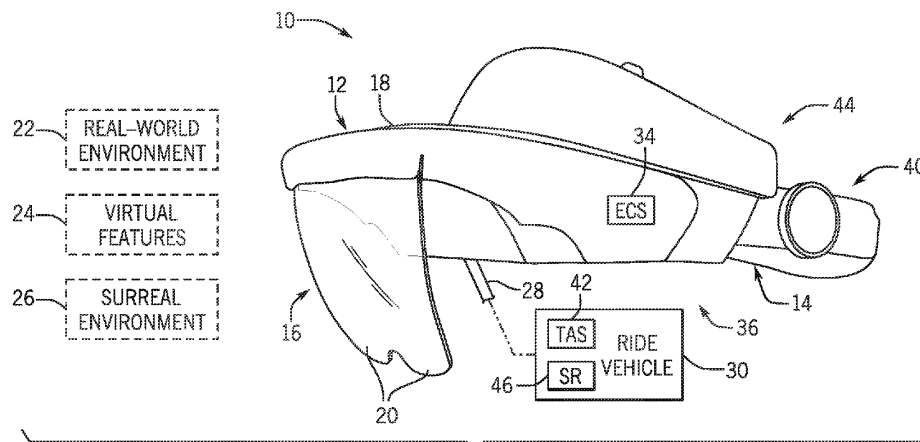


FIG. 1

(57) Abstract: An augmented reality, virtual reality, and/or mixed reality (AR/VR) system (10) includes a wearable visualization assembly (44) configured to be worn by a user and to display virtual features for visualization by the user during a ride stage of an attraction (168). The wearable visualization assembly (44) includes a sensor (102) configured to provide feedback indicative of an attachment status of the wearable visualization assembly (44) on the user. The AR/VR system (10) also includes a retraction assembly (198) coupled to the wearable visualization assembly (44) via a tether (28) and configured to retrieve the tether (28). The AR/VR system (10) further includes a controller (210) communicatively coupled to the retraction assembly (198) and the sensor (102). The controller (210) is configured to actuate the retraction assembly (198) to retrieve the tether (28) to transition the wearable visualization assembly (44) to a storage configuration (254) in response to the feedback indicating that the wearable visualization assembly (44) is in a detached configuration (38) during the ride stage.

[Continued on next page]

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