abstract

Automatic coupling

The present invention relates to a system for coupling a first coach of a train to a second coach of the train, the system comprising a first automatic coupler, wherein the first automatic coupler is mountable at an end of the first coach, wherein the first automatic coupler provides for a mechanical coupling to a second automatic coupler mountable at the second coach, wherein the first automatic coupler comprises a first coupling actuator and a first locking mechanism, and wherein the first coupling actuator during operation of the system drives the first locking mechanism between a locked state and an unlocked state; a first bellows, wherein the first bellows provides protection of a passenger or an object moving from the first coach to the second coach; and a controller operatively coupled to the first coupling actuator. The present invention allows a fully automatic coupling and uncoupling.

Fig. 2