

ALSTOM TRANSPORT SA**Vehicle regulated-control device with trimmed precision****ABSTRACT**

The regulated-control device (10) for precision-stopping of a vehicle (4) with automatic control comprises:

an observed kinematic input (44, 46) capable of receiving at least an observed kinematic variable for the vehicle (4),

a predetermined setpoint input (42), capable of receiving an unregulated-control setpoint signal,

a regulated-control output (40), which is dependent on the observed kinematic input (44, 46) and the setpoint input (42), according to a predetermined characteristic transfer function comprising at least an internal parameter (K , τ).

The device comprises an adaptation control unit (60) capable of modifying at least an internal parameter (K , τ) as a function of the observed kinematic input (44, 46) and the setpoint input (42).

Fig. 3