

Title (en)

REFLECTION DAMPING DEVICE FOR A BUS OF A BUS SYSTEM AND METHOD FOR DAMPING REFLECTIONS DURING DATA TRANSMISSION IN A BUS SYSTEM

Title (de)

REFLEXIONSDÄMPFUNGSVORRICHTUNG FÜR EINEN BUS EINES BUSSYSTEMS UND VERFAHREN ZUM DÄMPFEN VON REFLEXIONEN BEI EINER DATENÜBERTRAGUNG IN EINEM BUSSYSTEM

Title (fr)

DISPOSITIF D'AFFAIBLISSEMENT DE RÉFLEXIONS POUR UN BUS D'UN SYSTÈME DE BUS ET PROCÉDÉ D'AFFAIBLISSEMENT DE RÉFLEXIONS LORS D'UNE TRANSMISSION DE DONNÉES DANS UN SYSTÈME DE BUS

Publication

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Application

EP 19805219 A 20191113

Priority

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Abstract (en)

[origin: WO2020104275A1] The invention relates to a reflection damping device (50; 50 A; 50B; 50C; 50D; 50E; 50F; 50G; 50H) for a bus (40) of a bus system (1) and to a method for damping reflections during data transmission in a bus system (1). The reflection damping device (50; 50 A; 50 B; 50C; 50D; 50E; 50F; 50G; 50H) can close a free end of bus lines (41; 42) of the bus (40), in particular in a transceiver (12; 22; 32) of a subscriber station (10; 20; 30) of the bus system (1). Alternatively, the reflection damping device (50; 50 A; 50B; 50C; 50D; 50E; 50F; 50G; 50H) can be connected to a branching point of the bus (40) which is in particular a star point or is intended to connect a subscriber station (10; 20) to the bus (40). As a result, bus subscribers in a vehicle trailer can also be connected, as required, to the bus system (1) of the vehicle. The reflection damping device (50; 50 A; 50 B; 50C; 50D; 50E; 50F; 50G; 50 H) comprises at least one pair (51; 52; 51A; 52A; 51 B) of electrical semiconductor components connected in parallel, and at least one capacitor (53; 54) which is connected in series to the at least one pair (51; 52; 51A; 52A; 51B) of electrical semiconductor components connected in parallel, for damping reflections on a bus line (41; 42) of the bus (40).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020104275A1

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