

Title (en)

A BUS INTERFACE AND A METHOD FOR PREVENTION OF LOCKOUT SITUATION

Title (de)

BUSSCHNITTSTELLE UND EIN VERFAHREN ZUR VERHINDERUNG EINER VERRIEGELUNGSSITUATION

Title (fr)

INTERFACE DE BUS ET PROCÉDÉ POUR LA PRÉVENTION D'UNE SITUATION DE BLOCAGE

Publication

**EP 3651553 A1 20200513 (EN)**

Application

**EP 18204500 A 20181106**

Priority

EP 18204500 A 20181106

Abstract (en)

The present invention relates to a module for providing a powered interface, comprising at least one terminal configured to connect a bus having a non-zero DC voltage level in the quiet state; an internal power supply configured to supply a connected bus with DC power, wherein the internal power supply is designed such that it can be switched off; and a control circuitry configured to control the internal power supply, and communicate by receiving and/or sending signals over the bus. The control circuitry of the driver circuit is further configured to carry out the following steps upon receipt of an internal power supply switch-off command: switching off the internal power supply and detecting the bus voltage level at a predetermined time after switching off the internal power supply; and continuing the switched-off state of the internal power supply, when it is determined that the detected bus voltage level is above a threshold value; and switching on again the internal power supply and/or sending out a message over the bus, when it is determined that the detected bus voltage level at the predetermined time after switching off drops to or below the threshold value.

IPC 8 full level

**G06F 13/40** (2006.01)

CPC (source: EP)

**H05B 47/18** (2020.01)

Citation (search report)

- [X] DE 102010042724 A1 20120426 - OSRAM AG [DE]
- [A] DE 102011056114 B3 20121018 - JUNG GMBH ALBRECHT [DE]
- [A] EP 0749070 A2 19961218 - LANDIS & GYR TECH INNOVAT [CH]
- [A] DE 102016201390 A1 20170803 - TRIDONIC GMBH & CO KG [AT]

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