

Title (en)
OVERVOLTAGE PROTECTION FOR A BUS DEVICE

Title (de)
ÜBERSpannungSSchutz FÜR EIN BUSGERÄT

Title (fr)
PROTECTION CONTRE LES SURTENSIONS POUR UN DISPOSITIF DE BUS

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Application
EP 10705311 A 20100224

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Abstract (en)
[origin: WO2010108580A1] The invention relates to a bus device with an electronic circuit (1), which is connected, via feed lines, to a low-voltage interface (2), which has at least one first and one second connection terminal (DA+, DA-) for connecting a bus line to the electronic circuit (1), which electronic circuit (1) comprises a current source (4). A first diode (10) is provided in the feed line between the electronic circuit (1) and a first connection terminal (DA+) and is off when an overvoltage of a first polarity is applied to the low-voltage interface (2), wherein a switch (12) is provided between the current source (4) and the feed line to the other connection terminal, and wherein an overvoltage detection circuit (13) is connected to the feedline to the other connection terminal (DA-) and interacts with the switch (12), with the result that, when an overvoltage of a second polarity is applied to the low-voltage interface (2), the switch (12) interrupts the connection between the current source (4) and the other connection terminal.

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Citation (search report)
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Cited by
US11050245B2; US10305275B2; US11165249B2; US11764775B2; US9807846B1; TWI666841B

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