

Title (en)

Circuit arrangement to supply electrical loads with a constant voltage

Title (de)

Schaltungsanordnung zum Versorgen von elektrischen Verbrauchern mit einer konstanten Spannung

Title (fr)

Circuit pour alimenter des charges électriques avec une tension constante

Publication

EP 0645686 B1 20000322 (DE)

Application

EP 93115240 A 19930921

Priority

EP 93115240 A 19930921

Abstract (en)

[origin: EP0645686A1] Such a circuit arrangement is used especially for supplying sensors in a motor vehicle with a constant voltage required for accurate measuring results. It contains a reference voltage source (10) and a transistor (7) which is connected as emitter follower and by means of which the reference voltage is provided buffered at an output (4) as supply voltage for a sensor (3). A short circuit current through the transistor (7) is limited by a first current source (6). A diode (8) compensates for the voltage drop across the base-emitter path of the transistor (7). A second current source (9) drives a constant current through the diode (8). <IMAGE>

IPC 1-7

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IPC 8 full level

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