Title (en)

FREE-WHEEL CIRCUIT WITH AN ADJUSTABLE OFF DELAY TIME

Title (de)

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Title (fr)

CIRCUIT DE ROUE LIBRE A DUREE DE TEMPORISATION D'ARRET REGLABLE

Publication

EP 0829123 B1 19990203 (DE)

Application

EP 96919570 A 19960523

Priority

- DE 9600899 W 19960523
- DE 19519757 A 19950530

Abstract (en)

[origin: DE19519757A1] The object of the invention is to eliminate the magnetic residual energy stored in a coil (1) within a short or specific time by means of a free-wheel circuit connected in parallel. The free-wheel circuit comprises, in parallel with the coil (1), a series circuit comprising a first diode (2) and a first switching transistor (4) with which a non-linear resistor (3) is connected in parallel. The first switching transistor (4) is triggered by a parallel circuit comprising a capacitor (6) and a first ohmic resistor (7) with which a second switching transistor (9) is connected in parallel. When a cut-out overvoltage occurs at the coil (1), the second switching transistor (9) is tripped, thereby reliably blocking the first switching transistor (4) such that the residual energy is consequently eliminated via the non-linear resistor (3).

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IPC 8 full level

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DOCDB simple family (publication)

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