

Title (en)

A circuit device for driving inductive loads

Title (de)

Schaltungsanordnung zum Treiben induktiver Lasten

Title (fr)

Dispositif de circuit pour commander des charges inductives

Publication

**EP 1008740 B1 20040128 (EN)**

Application

**EP 99124311 A 19991206**

Priority

IT TO981028 A 19981209

Abstract (en)

[origin: EP1008740A1] A circuit device for driving inductive loads is described, the device being connectable to a direct-current voltage supply (12) and comprising at least one circuit branch (B1, B2) for connection to at least one respective inductive load (I1, I4; I2, I3). Each circuit branch (B1; B2) comprises, in combination: a current-regulator module (14) comprising a first electronic switch (Q1) which is arranged to be turned on by pulse-width-modulated enabling signals so as to regulate the current to be supplied to each load (I1, I4; I2, I3); second electronic switches (Q21, Q24; Q22, Q23) each of which is associated with a respective load (I1, I4; I2, I3) and which can be turned on selectively in predetermined ways such as to permit a flow of current from the supply (12) through the respective load (I1, I4; I2, I3); and a current-recirculation network (D1, D21, D24; D1, D22, D23) for taking away the transient discharge current generated every time a load is disconnected from the supply (12). <IMAGE>

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**F02D 41/20**

IPC 8 full level

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CPC (source: EP)

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