

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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CPC (source: EP)

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Cited by

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EP 1008740 A1 20000614; **EP 1008740 B1 20040128**; DE 69914445 D1 20040304; DE 69914445 T2 20040722; ES 2210950 T3 20040701; IT 1303596 B1 20001114; IT TO981028 A0 19981209; IT TO981028 A1 20000609

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