

Title (en)

Supply circuit for an excitation coil of an electromagnet

Title (de)

Stromversorgungsschaltung für eine Erregerspule eines Elektromagneten

Title (fr)

Circuit d'alimentation d'une bobine d'excitation d'un électro-aimant

Publication

**EP 0768683 B1 19990512 (FR)**

Application

**EP 96402114 A 19961004**

Priority

FR 9512077 A 19951012

Abstract (en)

[origin: EP0768683A1] The feed circuit is to control a two winding (B1,B2) electromagnet. The electromagnet is either DC or provided with rectified AC input. The secondary coil (B2) is fed by a command transistor (T2) which is in turn fed by a switching circuit(10). The switching circuit has a voltage adaptor (11) connected from the first winding and measuring the voltage level. Below a threshold level, current flows through a feed transistor (T1) to a second transistor. Above the threshold, the current flow to the second winding is switched off.

IPC 1-7

**H01F 7/18**

IPC 8 full level

**H01F 5/04** (2006.01); **H01H 47/04** (2006.01); **H01F 7/18** (2006.01); **H01H 47/08** (2006.01); **H01H 47/32** (2006.01)

CPC (source: EP US)

**H01F 7/1833** (2013.01 - EP US); **H01F 2029/143** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE ES GB IT LI SE

DOCDB simple family (publication)

**EP 0768683 A1 19970416**; **EP 0768683 B1 19990512**; AU 6816796 A 19970731; AU 710707 B2 19990930; BR 9605102 A 19980707; CA 2187662 A1 19970413; CA 2187662 C 19990907; CN 1136590 C 20040128; CN 1151597 A 19970611; CZ 287509 B6 20001213; CZ 298596 A3 19980916; DE 69602407 D1 19990617; DE 69602407 T2 19990923; ES 2131382 T3 19990716; FR 2739969 A1 19970418; FR 2739969 B1 19971114; HU 221224 B1 20020828; HU 9602811 D0 19961128; HU P9602811 A2 19970728; HU P9602811 A3 20000328; JP 3792314 B2 20060705; JP H09161637 A 19970620; MX 9604704 A 19970430; PL 181225 B1 20010629; PL 316485 A1 19970414; SG 52852 A1 19980928; TW 409448 B 20001021; US 5805405 A 19980908

DOCDB simple family (application)

**EP 96402114 A 19961004**; AU 6816796 A 19961011; BR 9605102 A 19961011; CA 2187662 A 19961010; CN 96119273 A 19961012; CZ 298596 A 19961011; DE 69602407 T 19961004; ES 96402114 T 19961004; FR 9512077 A 19951012; HU P9602811 A 19961011; JP 26987096 A 19961011; MX 9604704 A 19961010; PL 31648596 A 19961011; SG 1996010854 A 19961012; TW 85112274 A 19961008; US 72928496 A 19961010