

Title (en)

On-load electromagnetic relay.

Title (de)

Elektromagnetisches Lastrelais.

Title (fr)

Relais électromagnétique à coupure en charge.

Publication

EP 0348909 B1 19940928 (DE)

Application

EP 89111697 A 19890627

Priority

DE 8808401 U 19880630

Abstract (en)

[origin: US4924197A] In a relay, power lead elements of the load circuit are conducted between a core and a yoke in order to improve the response behavior of the relay as an auxiliary excitation. The power lead element is a stranded conductor having one end connected to the appertaining terminal element and the other end directly connected to the contact element. Therebetween, a stranded conductor is conducted from one side of the coil to the other through a transverse bore in a coil member flange. In this way, the stranded conductor and, thus, and the load circuit is well insulated from the winding and, moreover, the power lead element requires no space in the actual winding space, simplifying the assembly thereof as a result.

IPC 1-7

H01H 1/58; H01H 1/54; H01H 47/04

IPC 8 full level

H01H 1/54 (2006.01); **H01H 1/58** (2006.01); **H01H 47/04** (2006.01); **H01H 50/14** (2006.01); **H01H 50/44** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP US)

H01H 1/54 (2013.01 - EP US); **H01H 1/5822** (2013.01 - EP US); **H01H 50/14** (2013.01 - EP US)

Cited by

CN1050943C; DE4416104A1; DE4416104C2; EP0515279A1; FR2676861A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI

DOCDB simple family (publication)

US 4924197 A 19900508; AT E112410 T1 19941015; DE 58908429 D1 19941103; DE 8808401 U1 19880818; EP 0348909 A2 19900103; EP 0348909 A3 19910717; EP 0348909 B1 19940928; ES 2060699 T3 19941201; JP 2716529 B2 19980218; JP H0266827 A 19900306

DOCDB simple family (application)

US 35072689 A 19890512; AT 89111697 T 19890627; DE 58908429 T 19890627; DE 8808401 U 19880630; EP 89111697 A 19890627; ES 89111697 T 19890627; JP 16549589 A 19890629