Title (en)

ON-LOAD ELECTROMAGNETIC RELAY

Publication

EP 0348909 A3 19910717 (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)

Citation (search report)

- [AD] EP 0231793 A1 19870812 - SIEMENS AG [DE]
- [A] EP 0142061 A1 19850522 - SIEMENS AG [DE]

Cited by

CN1050943C; DE4416104A1; DE4416104C2; EP0515279A1; FR2676861A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI

DOCDB simple family (publication)

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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