

Title (en)

Armature holding structure for an electromagnetic relay

Title (de)

Ankerhalterung für ein elektromagnetisches Relais

Title (fr)

Structure d'attache d'armature pour un relais électromagnétique

Publication

EP 0697706 B1 19991013 (DE)

Application

EP 95110514 A 19950705

Priority

DE 4429552 A 19940819

Abstract (en)

[origin: EP0697706A2] The fixing has at least one fixing pin (25) provided by an extension of the flat yoke arm (21) extending parallel to the coil core (1), which provides a bearing edge (22) for the armature plate (3), lying at right angles to the yoke arm. A bearing section (12) of the armature spring (10) lies against the end face (32) of the yoke arm, with a tensioning section (13) projecting beyond the yoke arm end face held by the fixing pin, to provide a spring bias holding the armature plate against the bearing edge of the yoke arm. The fixing point of the bias section of the spring relative to the fixing pin determines the resetting force for the armature plate.

IPC 1-7

H01H 50/18; **H01H 50/28**

IPC 8 full level

H01H 50/26 (2006.01); **H01H 50/18** (2006.01); **H01H 50/28** (2006.01); **H01H 51/06** (2006.01)

CPC (source: EP US)

H01H 50/28 (2013.01 - EP US)

Cited by

EP2650900A4

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0697706 A2 19960221; **EP 0697706 A3 19980225**; **EP 0697706 B1 19991013**; DE 4429552 A1 19960222; DE 59507034 D1 19991118; JP H0869736 A 19960312; US 5534834 A 19960709

DOCDB simple family (application)

EP 95110514 A 19950705; DE 4429552 A 19940819; DE 59507034 T 19950705; JP 20823995 A 19950815; US 51361695 A 19950810