

Title (en)
Electromagnetic relay with bi-stable contact

Title (de)
Elektromagnetisches Relais mit bistabilem Kontakt

Title (fr)
Relais électromagnétique à contact bistable

Publication
EP 0641003 B1 19981223 (FR)

Application
EP 94410057 A 19940727

Priority
FR 9310341 A 19930826

Abstract (en)
[origin: EP0641003A1] An electromagnetic relay includes an electromagnet (14) with a pivoting blade (38), a mechanism (16) with a bell crank (44) intended to drive a bistable rocker contact (20), and an elastic device (56) for returning the blade (38) to a spaced-away position when the coil of the electromagnet (14) is not excited. A link rod (48) is articulated onto the blade (38) and the bell crank (44), and the return device includes a pair of compression springs (58, 60), one of which acts later than the other. A contact position indicator (72) is incorporated within a manual-control test button (70), and comprises an optical prism (78) interacting with a feeler (80) integral with the blade (38). <IMAGE>

IPC 1-7
H01H 50/64; **H01H 50/08**; **H01H 51/06**

IPC 8 full level
H01H 50/08 (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP)
H01H 50/08 (2013.01); **H01H 50/64** (2013.01)

Cited by
WO2012154131A1; EP1024511A3; EP1487001A1; WO2010139113A1; WO2014196934A1; WO2017001518A1

Designated contracting state (EPC)
BE DE ES GB IT

DOCDB simple family (publication)
EP 0641003 A1 19950301; **EP 0641003 B1 19981223**; BR 9403330 A 19950411; CN 1037555 C 19980225; CN 1104368 A 19950628; DE 69415440 D1 19990204; DE 69415440 T2 19990610; ES 2126728 T3 19990401; FR 2709370 A1 19950303; FR 2709370 B1 19951020

DOCDB simple family (application)
EP 94410057 A 19940727; BR 9403330 A 19940825; CN 94115707 A 19940825; DE 69415440 T 19940727; ES 94410057 T 19940727; FR 9310341 A 19930826