

Title (en)
Bistable switching device

Title (de)
Bistabile Schaltvorrichtung

Title (fr)
Appareil bistable de commutation

Publication
EP 0686989 B1 20011031 (DE)

Application
EP 95890099 A 19950529

Priority
AT 114994 A 19940608

Abstract (en)
[origin: EP0686989A1] A bistable relay has a pivot-mounted armature (4) that is hinged to a yoke (1) by a leaf spring (5). The free end supports a rod (11) that operates a movable electrical contact (13). Mounted on the yoke is a core element in two parts (6, 6') separated by a permanent magnet (7) and having a size such that an air gap (20) is formed. The armature can be moved by a lower level power input coil (2). In one position the armature is held by the permanent magnet field. <IMAGE>

IPC 1-7
H01H 51/22

IPC 8 full level
H01H 51/22 (2006.01); **H01H 51/01** (2006.01); **H01H 51/16** (2006.01); **H01H 71/32** (2006.01)

CPC (source: EP US)
H01H 51/22 (2013.01 - EP US); **H01H 51/01** (2013.01 - EP US); **H01H 51/16** (2013.01 - EP US); **H01H 71/32** (2013.01 - EP US)

Cited by
DE102005030044B4; DE102012106330A1; DE102012106330B4; DE102004018791A1; DE19641407C1; US5864271A; EP0836212A3; DE102005030044A1; DE102005030046A1; DE102005051942B3; DE102005030046B4; CN103632889A; EP2701164A3; US9153403B2

Designated contracting state (EPC)
DE ES FR GB IT PT

DOCDB simple family (publication)
EP 0686989 A1 19951213; EP 0686989 B1 20011031; AT 414183 B 20061015; AT A114994 A 20051215; DE 59509770 D1 20011206; ES 2166810 T3 20020501; PL 308976 A1 19951211; US 5703554 A 19971230

DOCDB simple family (application)
EP 95890099 A 19950529; AT 114994 A 19940608; DE 59509770 T 19950529; ES 95890099 T 19950529; PL 30897695 A 19950607; US 47178995 A 19950606