

Title (en)
POLARISED ELECTROMAGNETIC PLURAL CONTACT RELAY

Publication
EP 0334336 B1 19930929 (DE)

Application
EP 89105169 A 19890322

Priority
DE 3810226 A 19880325

Abstract (en)
[origin: EP0334336A1] The relay has a coil former (1) with two continuous contact chambers on parallel axes, in which contact tongues (41) are arranged. These contact tongues are jointly anchored in a coil flange (2) and, by means of pole shoes (5A, 5B, 6A, 6B) arranged in pairs, form operating air gaps in the region of the other coil flange. The pole shoes are arranged at right angles in a plane at the end in front of the second coil flange (3). They are polarised by means of a permanent magnet arrangement (7) which has a number of poles corresponding to double the number of pole shoes. The permanent magnet poles facing away from the pole shoes are coupled to the bearing side of the contact tongues via flux guiding sheets (9A, 9B). As a result of the permanent magnet regions allocated individually to each pole shoe, independent matching is possible, as a result of which synchronous switching of the two contact tongues (41) is achieved. <IMAGE>

IPC 1-7
H01H 51/22

IPC 8 full level
H01H 50/22 (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)
H01H 51/2254 (2013.01 - EP US)

Cited by
CN104170047A; EP0400537A3; US9368304B2; WO2013144218A3

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0334336 A1 19890927; **EP 0334336 B1 19930929**; AT E95338 T1 19931015; DE 58905723 D1 19931104; JP H01283729 A 19891115; US 4951016 A 19900821

DOCDB simple family (application)
EP 89105169 A 19890322; AT 89105169 T 19890322; DE 58905723 T 19890322; JP 7204289 A 19890327; US 32895889 A 19890327