

Title (en)  
POLARIZED ELECTROMAGNETIC RELAY

Title (de)  
POLARISIERTES ELEKTROMAGNETISCHES RELAIS

Title (fr)  
RELAIS ELECTROMAGNETIQUE POLARISE

Publication  
**EP 0691030 B1 19961211 (DE)**

Application  
**EP 94910337 A 19940316**

Priority  
• DE 9400288 W 19940316  
• DE 4309619 A 19930324  
• DE 4324857 A 19930723

Abstract (en)  
[origin: US5617066A] PCT No. PCT/DE94/00288 Sec. 371 Date Sep. 25, 1995 Sec. 102(e) Date Sep. 25, 1995 PCT Filed Mar. 16, 1994 PCT Pub. No. WO94/22156 PCT Pub. Date Sep. 29, 1994The relay has a base (1) with stationary mating contact elements (11, 12, 13, 14), a coil (5), a permanent magnet (4) and also a rocker armature (3) which is arranged between the coil and the base, is connected to movable contact elements (21, 22, 23, 24) and is mounted on the base by means of bearing strips, the bearing strips simultaneously serving as electrical connections for the movable contact elements. The bearing strips (25, 26) are secured to the bearing supports (15, 16), which are designed as connection elements, of the base in planes extending at right angles to the basic plane of the base. As a result, the contact separation can be set with low tolerance even during production, and it is not dependent on tolerances of the individual parts. This structure consequently permits non-problematic, cost-effective production of the individual parts and accurate assembly without the requirement of subsequent adjustment.

IPC 1-7  
**H01H 51/22**; **H01H 49/00**

IPC 8 full level  
**H01H 49/00** (2006.01); **H01H 50/18** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)  
**H01H 51/2281** (2013.01 - EP US); **H01H 49/00** (2013.01 - EP US); **H01H 2011/0087** (2013.01 - EP US)

Cited by  
DE19705506C1; DE19850668C1; DE19850667C1; DE19705508C1

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

DOCDB simple family (publication)  
**US 5617066 A 19970401**; AT E146302 T1 19961215; CA 2158978 A1 19940929; CZ 246995 A3 19981014; CZ 284682 B6 19990217; DE 4408980 A1 19940929; DE 4408980 B4 20040325; DE 59401271 D1 19970123; EP 0691030 A1 19960110; EP 0691030 B1 19961211; ES 2095754 T3 19970216; JP 3112945 B2 20001127; JP H08508133 A 19960827; WO 9422156 A1 19940929

DOCDB simple family (application)  
**US 52567495 A 19950925**; AT 94910337 T 19940316; CA 2158978 A 19940316; CZ 246995 A 19940316; DE 4408980 A 19940316; DE 59401271 T 19940316; DE 9400288 W 19940316; EP 94910337 A 19940316; ES 94910337 T 19940316; JP 52051594 A 19940316