

Title (en)
ELECTROMAGNETIC SMALL RELAY

Title (de)
ELEKTROMAGNETISCHES KLEINRELAIS

Title (fr)
PETIT RELAIS ELECTROMAGNETIQUE

Publication
EP 1135786 B1 20021009 (DE)

Application
EP 99963193 A 19991103

Priority
• DE 9903512 W 19991103
• DE 19850668 A 19981103
• DE 19850667 A 19981103

Abstract (en)
[origin: WO0026932A1] The relay has a base (40) with fixed contacts (42-45), connection elements (46, 46) for moveable contact springs (24), a pivotally mounted rocker armature (24) that is connected to the contact springs (30, 31), a magnet arrangement comprising a coil (14), core (15) and pole shoes (17, 18) in addition to a triple-pole magnetized permanent magnet that forms working air gaps with said armature (24). In order to produce a monostable switching characteristic, the armature has two wings (25, 26) of different widths that interact with pole shoes (17, 18) of different widths. A constructionally dissymmetric magnetic system is thus produced, whereby the area obtained as a result of the dissymmetry of the armature inside the cuboid housing can be used to accommodate coil connecting elements (16) or the terminal connections of the contact springs (36,37) which would otherwise result in a much wider relay.

IPC 1-7
H01H 51/22

IPC 8 full level
H01H 51/22 (2006.01)

CPC (source: EP)
H01H 51/229 (2013.01)

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