

Title (en)  
ELECTROMAGNETIC RELAY WITH PIVOTING ARMATURE

Publication  
**EP 0126317 B1 19861203 (DE)**

Application  
**EP 84104581 A 19840424**

Priority  
DE 3315168 A 19830427

Abstract (en)  
[origin: US4527138A] The improved relay includes two hollow coil bodies which are in axial alignment on a common base. A beam rotating armature extends through the inside of the coil bodies in the axial direction. A bearing element composed of an insulating material is provided in the central portion of the armature, the bearing element including center contact springs which are embedded parallel to the armature. By means of the bearing element, the armature is embedded by means of neck portions in the base and in a sole plate which connects the two coil bodies. The two ends of the armature form working air gaps with a pair of yokes, the yokes being angularly positioned and being actuated by two permanent magnets which lie above the coil bodies.

IPC 1-7  
**H01H 51/22**; **H01H 50/20**

IPC 8 full level  
**H01H 51/24** (2006.01); **H01H 50/18** (2006.01); **H01H 50/20** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)  
**H01H 51/2263** (2013.01 - EP US)

Citation (examination)  
US 3211858 A 19651012 - JUPTUER WILLIAM F

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 3315168 A1 19841031**; DE 3461574 D1 19870115; EP 0126317 A1 19841128; EP 0126317 B1 19861203; JP S59207535 A 19841124; US 4527138 A 19850702

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**DE 3315168 A 19830427**; DE 3461574 T 19840424; EP 84104581 A 19840424; JP 8424984 A 19840427; US 58698884 A 19840307