

Title (en)  
ELECTROMAGNETIC RELAY

Publication  
**EP 0089670 A3 19850703 (DE)**

Application  
**EP 83102799 A 19830321**

Priority  
DE 3210654 A 19820323

Abstract (en)  
[origin: US4482876A] A relay comprises an elongate armature which is seated at one end in a carrier of insulating material. Movable contact springs are anchored in the carrier and comprise extensions which emerge from the carrier and are secured in a base with respective fastening portions. Such extension of the respective contact springs forms a terminal lug integrated as a one-piece structure with the contact, as well as a friction-free bearing for the armature without provision of an additional bearing element.

IPC 1-7  
**H01H 50/54**; **H01H 50/14**

IPC 8 full level  
**H01H 50/14** (2006.01); **H01H 50/16** (2006.01); **H01H 50/34** (2006.01); **H01H 50/54** (2006.01); **H01H 50/56** (2006.01); **H01H 51/26** (2006.01)

CPC (source: EP US)  
**H01H 50/14** (2013.01 - EP US); **H01H 50/548** (2013.01 - EP US)

Citation (search report)

- US 3717829 A 19730220 - FLAHERTY R
- FR 1062501 A 19540423 - WESTINGHOUSE AIR BRAKE CO
- EP 0072975 A1 19830302 - SIEMENS AG [DE]
- DE 1806324 A1 19690904 - RAU SWF AUTOZUBEHOER

Cited by  
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Designated contracting state (EPC)  
CH DE FR GB LI

DOCDB simple family (publication)  
**EP 0089670 A2 19830928**; **EP 0089670 A3 19850703**; **EP 0089670 B1 19880113**; DE 3210654 A1 19831006; DE 3375346 D1 19880218; JP H0411971 B2 19920303; JP S58172840 A 19831011; US 4482876 A 19841113

DOCDB simple family (application)  
**EP 83102799 A 19830321**; DE 3210654 A 19820323; DE 3375346 T 19830321; JP 4731683 A 19830323; US 46738683 A 19830217