

Title (en)  
Improvements in or relating to relays.

Title (de)  
Elektromagnetisches Relais.

Title (fr)  
Relais électromagnétique.

Publication  
**EP 0137714 A1 19850417 (EN)**

Application  
**EP 84306057 A 19840905**

Priority  
GB 8324303 A 19830910

Abstract (en)  
A relay includes an electromagnet and an armature (8 min ) for causing a displacement of a pair of spring arms (20 min ) in a respective sense in dependence on energisation or de-energisation of the electromagnet Each spring arm is arranged to make an electrical connection between one member of a respective set of contact members and, in dependence on the sense of displacement, a selected one of two other members (14 min , 15 min ) in the same set. A trip plate (9 min ) mounted on the armature, acts on both spring arms and has a protrusion (32) which permits pivotal movement of the trip plate relative to the armature; the spring arms are subjected to substantially equal amounts of pressure as they are displaced. The protrusion may have a convex surface (32) or may comprise a pair of flat surface which meet at an apex to establish a pivot.

IPC 1-7  
**H01H 50/64**

IPC 8 full level  
**H01H 50/64** (2006.01)

CPC (source: EP)  
**H01H 50/643** (2013.01)

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• [APD] GB 2121605 A 19831221 - KEYSWITCH VARLEY LTD  
• [A] US 2547062 A 19510403

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CH DE FR GB LI SE

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