

Title (en)
Contact system for electromagnetic relay

Title (de)
Kontaktsystem für elektromagnetisches Relais

Title (fr)
Système de contact pour un relais électromagnétique

Publication
EP 1223598 A3 20030129 (DE)

Application
EP 02000523 A 20020109

Priority
DE 10101751 A 20010116

Abstract (en)
[origin: EP1223598A2] The system has at least two closure elements, further contact and actuator arrangement. Each closure element has its own actuator driven by a relay armature, the movable part of each closure element is positively coupled to the associated actuator in the contact opening direction and both actuators are positively coupled to the movable part of the further contact only in the direction towards the operating position. The system has at least two closure elements (10,20), a further contact (30) and an actuator arrangement with at least two parallel movable components that closes both closure elements and the further contact by moving a relay armature into its operating position and opens both closure elements by returning the armature to its rest position, but prevents restoration of the further contact if one closure element does not open. Each closure element has its own actuator (40,50) driven by the relay armature, the movable part of each closure element is positively coupled to the associated actuator in the contact opening direction and both actuators are positively coupled to the movable part (35) of the further contact only in the direction towards the operating position.

IPC 1-7
H01H 47/00; **H01H 50/64**; **H01H 50/54**

IPC 8 full level
H01H 47/00 (2006.01); **H01H 50/54** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP)
H01H 47/004 (2013.01); **H01H 50/546** (2013.01); **H01H 50/642** (2013.01); **H01H 3/001** (2013.01)

Citation (search report)

- [AD] US 5831502 A 19981103 - KIRSCH EBERHARD [DE]
- [A] FR 2423855 A1 19791116 - HALLER & CO E [DE]
- [A] WO 0024020 A1 20000427 - EH SCHRACK COMPONENTS AG [AT], et al

Cited by
EP2492936A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1223598 A2 20020717; **EP 1223598 A3 20030129**; **EP 1223598 B1 20050316**; AT E291275 T1 20050415; DE 10101751 C1 20021114; DE 50202451 D1 20050421; DK 1223598 T3 20050418; ES 2236367 T3 20050716; PT 1223598 E 20050531; SI 1223598 T1 20051031

DOCDB simple family (application)
EP 02000523 A 20020109; AT 02000523 T 20020109; DE 10101751 A 20010116; DE 50202451 T 20020109; DK 02000523 T 20020109; ES 02000523 T 20020109; PT 02000523 T 20020109; SI 200230133 T 20020109