

Title (en)
Relay with a double interruption

Title (de)
Relais mit Doppelunterbrechung

Title (fr)
Relais doté d'une double coupure

Publication
EP 2662874 A3 20141029 (DE)

Application
EP 13160352 A 20130321

Priority
DE 102012207589 A 20120508

Abstract (en)
[origin: EP2662874A2] The relay (1) has an electric circuit that is arranged between two relay contacts (2,3), for closing or interrupting a contact spring device (4). A stationary intermediate contact portion (6) is arranged between two contact springs (5-1,5-2) of the spring device. A magnetic drive (11) for synchronous deflection of the springs, is provided in a closed or opened relay position of the relay contacts. The springs are coupled pivotably in a quiescent state through a pair of link arms (17a,17b) displaced in moving direction of respective springs.

IPC 8 full level
H01H 1/20 (2006.01); **H01H 50/56** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP)
H01H 1/205 (2013.01); **H01H 50/56** (2013.01); **H01H 51/229** (2013.01)

Citation (search report)

- [X] EP 2447977 A1 20120502 - GRUNER AG [DE]
- [X] DE 19544520 A1 19970605 - SIEMENS AG [DE]
- [AD] DE 10162585 C1 20030424 - GRUNER AG [DE]

Cited by
CN106229223A; CN109585229A; CN108109881A; US10460895B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102012207589 B3 20131002; EP 2662874 A2 20131113; EP 2662874 A3 20141029; EP 2662874 B1 20180321; ES 2664931 T3 20180424

DOCDB simple family (application)
DE 102012207589 A 20120508; EP 13160352 A 20130321; ES 13160352 T 20130321