

Title (en)
Contact unit for electromagnetic relays

Title (de)
Kontakeinheit für elektromagnetische Relais

Title (fr)
Unité de contact pour relais électromagnétiques

Publication
EP 1575075 A3 20080910 (DE)

Application
EP 05012458 A 19991201

Priority
• DE 19858755 A 19981218
• EP 99123867 A 19991201

Abstract (en)
[origin: EP1575075A2] A contact unit, comprising an undivided contact spring (10) with a flexible torsion region (19) between its fixed end and its contact points, is new. A contact unit comprises a stationary contact (12) and a contact spring (10) which has two transverse contact points (15,16) on an undivided spring end section and, between its fixed end and the contact points, a flexible region (19) capable of torsion about its longitudinal axis.

IPC 8 full level
H01H 50/54 (2006.01); **H01H 50/56** (2006.01); **H01H 1/26** (2006.01); **H01H 50/64** (2006.01); **H01H 9/38** (2006.01)

CPC (source: EP US)
H01H 50/548 (2013.01 - EP US); **H01H 1/2075** (2013.01 - EP US); **H01H 1/2083** (2013.01 - EP US); **H01H 9/38** (2013.01 - EP US)

Citation (search report)
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• [Y] EP 0443075 A1 19910828 - BREMAS SPA [IT]
• [DYA] DE 1175807 B 19640813 - SCHALTBAU GMBH
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated extension state (EPC)
SI

DOCDB simple family (publication)
US 2001054546 A1 20011227; US 6362710 B2 20020326; AT E299290 T1 20050715; AT E475982 T1 20100815; DE 19858755 C1 20000608; DE 59912238 D1 20050811; DE 59915189 D1 20100909; DK 1011122 T3 20050801; EP 1011122 A2 20000621; EP 1011122 A3 20010425; EP 1011122 B1 20050706; EP 1011122 B8 20050831; EP 1575075 A2 20050914; EP 1575075 A3 20080910; EP 1575075 B1 20100728; ES 2242347 T3 20051101; ES 2347967 T3 20101126; JP 2000182456 A 20000630; JP 4265057 B2 20090520; PT 1011122 E 20050930; PT 1575075 E 20100908; SI 1011122 T1 20051231; SI 1575075 T1 20101130; US 6300854 B1 20011009

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US 93367801 A 20010822; AT 05012458 T 19991201; AT 99123867 T 19991201; DE 19858755 A 19981218; DE 59912238 T 19991201; DE 59915189 T 19991201; DK 99123867 T 19991201; EP 05012458 A 19991201; EP 99123867 A 19991201; ES 05012458 T 19991201; ES 99123867 T 19991201; JP 35556699 A 19991215; PT 05012458 T 19991201; PT 99123867 T 19991201; SI 9930829 T 19991201; SI 9931047 T 19991201; US 46138699 A 19991215