

Title (en)

CONTACT ARRANGEMENT IN A HIGH POWER SWITCHING RELAY

Publication

EP 0195956 B1 19890628 (DE)

Application

EP 86102734 A 19860303

Priority

DE 8506345 U 19850305

Abstract (en)

[origin: US4683358A] A contact arrangement for a relay having a high breaking current capacity. A contact spring is split in fork-like fashion so as to form two fork ends at its free end. The contact spring is opposite two cooperating contact elements in the form of a double contact or two contacts to be bridged. The two fork ends of the contact spring are directly connected to one another via a welded on contact strip. A stranded conductor is welded directly to a freely accessible center portion of the contact strip between the two fork ends. Thus, the two contacting locations of the contact spring are connected to one another or to a power terminal in a low-loss fashion without employing an expensive central contact spring having good conductivity. Rather, a spring steel having a relatively poor conductivity may be employed.

IPC 1-7

H01H 1/20

IPC 8 full level

H01H 50/56 (2006.01); **H01H 1/20** (2006.01); **H01H 1/26** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP US)

H01H 1/20 (2013.01 - EP US); **H01H 1/5822** (2013.01 - EP US)

Cited by

US5903201A; DE4019236A1; DE4019236C2; WO9701182A1; WO2015107220A1

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US 4683358 A 19870728; AT E44331 T1 19890715; DE 3664175 D1 19890803; DE 8506345 U1 19860703; EP 0195956 A1 19861001; EP 0195956 B1 19890628; JP H036606 B2 19910130; JP S61203515 A 19860909

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US 83322686 A 19860226; AT 86102734 T 19860303; DE 3664175 T 19860303; DE 8506345 U 19850305; EP 86102734 A 19860303; JP 4645486 A 19860305