

Title (en)

CONTACT SPRING ARRANGEMENT FOR A RELAY FOR CONDUCTING AND SWITCHING HIGH CURRENTS.

Title (de)

KONTAKTFEDERANORDNUNG FÜR EIN RELAIS ZUM FÜHREN UND SCHALTEN HOHER STRÖME.

Title (fr)

AGENCEMENT DE LAMES DE CONTACT DE RELAIS DE TRANSMISSION ET DE COMMUTATION DE COURANTS ELEVES.

Publication

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Application

EP 93909764 A 19930513

Priority

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- DE 4216080 A 19920515
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Abstract (en)

[origin: WO9323863A1] A contact spring arrangement has an elongated contact spring (9) with a rigid connection leg (12) which extends approximately parallel to the contact spring and which conducts the switching current in a direction opposite to the contact spring. On the side opposite to the connection leg (12), the contact spring has a contact piece (14) which co-operates with an opposite counter-contact element (18) provided with a contact piece (16). The repulsion forces between the connection leg (12) and the contact spring (9) are thus so increased that no welding of the contacts occurs, even at the highest short circuit currents, provided that the width of the gap between the contact spring (9) and the connection leg (12) be at least 20 times larger than the average spring spacing in the gap, when the contact pieces are made of silver or a silver alloy.

IPC 1-7

H01H 1/54; **H01H 51/22**

IPC 8 full level

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CPC (source: EP US)

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