

Title (en)

Linear motion electrical contact spring

Title (de)

Elektrische Kontaktfeder mit linearer Bewegung

Title (fr)

Ressort de contact électrique à mouvements linéaires

Publication

EP 2568487 A1 20130313 (EN)

Application

EP 11180646 A 20110908

Priority

EP 11180646 A 20110908

Abstract (en)

The present invention relates to a contact spring (1) for contacting a mating contact in an electrically conductive manner, comprising a contact portion (2) adapted to contact the mating contact in a contact direction (C'), a base portion (3) adapted to be fixed to a substrate, and a spring portion (4) resiliently connecting the contact portion (2) to the base portion (3) and defining a deflection path (D) along which the contact portion (2) is deflectable in relation to the base portion (3). In order to provide an essentially linear deflection path (D), the spring portion (4) comprises at least a first and a second spring section (7a, 7b, 7c) which at least in an uncompressed state (U) of the contact spring (1) are arranged symmetrically to each other and essentially balance any forces acting transversally to the deflection path when a contact force (F_c) acts upon the contact portion (2) against the contact direction (C').

IPC 8 full level

H01H 1/26 (2006.01); **H01H 5/22** (2006.01)

CPC (source: EP)

H01H 1/26 (2013.01); **H01H 5/22** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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