

Title (en)

Contact resilient socket for pluggable connection of cable wires and electrical conductors.

Title (de)

Kontaktfederbuchse zum steckbaren Verbinden von Kabeladern und Schaltdrähten.

Title (fr)

Douille de contact élastique pour connexion enfichable de brins de câbles et de fils électriques.

Publication

EP 0433625 B1 19940309 (DE)

Application

EP 90121012 A 19901102

Priority

DE 3942276 A 19891221

Abstract (en)

[origin: EP0433625A1] 2.1 The contact spring socket should be capable of automatic production from only one piece, it not being necessary to carry out and pretreating of the connecting wires and cable cores in order to achieve automatic contacting. The socket bodies should be electrically insulated from one another. The contact spring socket should be designed such that fully automatic production results in a cost-effective mass-produced product. 2.2 The complete socket body of the contact spring socket is produced by several stamping and bending steps from a single metal part. Additional compression springs are provided to reinforce the contact pressure. On the shaft of the socket body facing away from the contact springs, insulation-piercing terminals and hooks for making contact and stress relief of a connecting wire are provided. The socket body is accommodated in an insulating housing, which contains a special contacting tool in order that the connecting wires automatically make contact with the insulation-piercing terminals. 2.3 The contact spring socket can be produced as a cost-effective mass-produced product. It is possible to make contact with untreated connecting wires manually or by machine, without a special tool. <IMAGE>

IPC 1-7

H01R 4/24; **H01R 13/15**

IPC 8 full level

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CPC (source: EP US)

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Cited by

FR2725835A1; EP1589615A1; US5716242A; EP0651464A3; EP0736929A1; US5408048A; CN106058509A; US7118404B2; WO9633523A1; WO9612324A1; WO2009006994A1

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