

Title (en)

SOCKET WITH SCREWLESS CONNECTION CLAMP FOR ELECTRIC OUTLETS

Publication

**EP 0048843 B1 19840307 (DE)**

Application

**EP 81107008 A 19810907**

Priority

DE 3035886 A 19800924

Abstract (en)

[origin: EP0048843A1] 1. A contact sleeve (3) with a screwless connecting terminal for electrical sockets, which is fastened in a contact support (1) inside a recess (2) which opens onto the front end of the contact support, the connecting terminal consisting of a clamping plate (4) and a clamping spring in the form of a two-armed flat spring, the flat spring (9) being supported in a fixed manner by means of its support arm (10) and being pushed by means of its clamping arm obliquely in the insertion direction of a conductor (18) against the clamping plate (4) for securing at least one conductor (18), with extensions (12) which are integrally formed on the free end of the clamping arm and, for the purpose of disconnecting a conductor (18), penetrate a break (13) in the clamping plate (4), the lateral walls (5) of the clamping plate (4) being bent at the longitudinal sides extending in a parallel manner in the insertion direction of the conductors (18), between which lateral walls the clamping spring (9) is guided and which lateral walls have extensions (6) in the insertion direction of the conductors (18), which extensions are provided with semicircular widenings (7) to form the plug contact sleeve at their free ends for receiving a plug pin, a wall (17) being bent at the lateral edge of the clamping plate (4) which lies between the extensions, by means of which wall the introduction of the conductors (18) is limited and the contact sleeve (3) being secured on the contact support (1), in the area of its connecting terminal by means of extensions, characterised in that inwardly projecting lugs (8) are integrally formed on the lateral walls (5) behind which lugs the support arm (10) of the clamping spring (9) engages and is held in a frictionally clamped manner, in that the lateral walls (3) penetrate breaks (15) in the contact support (1) by means of integrally formed tongues (14) and are held by folded ends (16) on the contact support (1), and in that the semicircular widenings (7) of the extensions (6) forming the contact sleeve (3) are bent inwards through 180 degrees.

IPC 1-7

**H01R 19/40**

IPC 8 full level

**H01R 4/48** (2006.01); **H01R 24/76** (2011.01)

CPC (source: EP)

**H01R 24/76** (2013.01); **H01R 4/48** (2013.01); **H01R 2103/00** (2013.01)

Cited by

EP0624755A3; WO8902473A1

Designated contracting state (EPC)

AT BE CH FR LI SE

DOCDB simple family (publication)

**EP 0048843 A1 19820407**; **EP 0048843 B1 19840307**; AT E6559 T1 19840315; DE 3035886 A1 19820506; DE 3035886 C2 19880901; ES 260437 U 19820316; ES 260437 Y 19830301; FI 68741 B 19850628; FI 68741 C 19851010; FI 812970 L 19820325; NO 158199 B 19880418; NO 158199 C 19880727; NO 813240 L 19820325; ZA 815681 B 19820825

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**EP 81107008 A 19810907**; AT 81107008 T 19810907; DE 3035886 A 19800924; ES 260437 U 19810923; FI 812970 A 19810923; NO 813240 A 19810923; ZA 815681 A 19810818