

Title (en)

QUICK CONNECTOR DEVICE WITH LOW-FORCE LEAF SPRING

Title (de)

SCHNELLKUPPLUNGSVORRICHTUNG MIT BLATTFEDER MIT GERINGER KRAFT

Title (fr)

DISPOSITIF DE CONNEXION RAPIDE A LAME RESSORT A FAIBLE EFFORT

Publication

EP 3132501 A1 20170222 (FR)

Application

EP 15719265 A 20150410

Priority

- FR 1453389 A 20140416
- FR 2015050971 W 20150410

Abstract (en)

[origin: WO2015159002A1] Device for connecting a conductor (3) to an electrical terminal, of the type comprising at least one flexible leaf spring (1) having a first portion designed to press said conductor (3), as it is pushed into a connection chamber (8), against a conducting surface (2) electrically connected to said terminal, and comprising: - elastic means for keeping said first leaf spring portion (1) away from the conducting surface (2), said first leaf spring portion (1) being preloaded and kept in a position of equilibrium in a situation of disconnectedness; - means for releasing said first leaf spring portion (1) which are activated as the conductor (3) is pushed in, unsettling the position of equilibrium, the first leaf spring portion (1) released presses the pushed-in conductor (3) against the conducting surface (2) in a situation of connectedness. This device is characterized in that the leaf (1) is a strip comprising transverse folds delimiting leaf portions, the means that keep the first leaf spring portion (1) in position and that release same being provided in a second elastic leaf spring portion (1) made as one with the first leaf spring portion (1), an intermediate portion having a region of attachment to a wall (5) of the connection chamber (8) connecting said first and second leaf spring portions (1).

IPC 8 full level

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CPC (source: EP)

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