Title (en)

ELECTRICAL CONNECTION SYSTEM WITH AUTOMATIC CLOSING

Title (de)

ELEKTRISCHES VERBINDUNGSSYSTEM MIT AUTOMATISCHER SCHLIESSUNG

Title (fr)

SYSTÈME DE RACCORDEMENT ÉLECTRIQUE À FERMETURE AUTOMATIQUE

Publication

EP 3005483 B1 20180704 (FR)

Application

EP 14731739 A 20140527

Priority

- FR 1354934 A 20130530
- FR 2014051247 W 20140527

Abstract (en)

[origin: WO2014191676A1] A device for connecting a conductor comprising: - a guide barrel (1, 21) for guiding the conductor to: - a spring blade (5, 25) cooperating with a terminal (9, 29) to produce an opening (7, 27) for the conductor to pass through, having a variable size at the mouth of the barrel (1, 21); - a lever (2, 22) that is movable between two stable positions comprising a profiled portion (4, 24) cooperating with the spring blade (5, 25) such that, in a first position, the spring blade (5, 25) is constrained by the lever (2, 22) in a balanced position in which the opening (7, 27) is maximum and arranged facing the outlet of the guide barrel (1, 21) and, in a second position, the blade (5, 25) is released and the opening (7, 27) tends to close, the shape of the profiled portion (4, 24) allowing the shift from one to the other of these positions. This device is characterised in that it comprises means (10, 30) for triggering the lever (2, 22) by means of the conductor when it has passed through the opening (7, 27), the activating of said triggering means (10, 30) by the conductor breaking the lever (2, 22) / blade (5, 25) balance in the first position and shifting the spring blade (5, 25) from the constrained position of same allowing connection to the released position of same preventing connection, and shifting the lever (2, 22) from the first to the second position of same.

IPC 8 full level

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CPC (source: EP)

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