

Title (en)

Electrical connector with attachment for shorting the conductors

Title (de)

Elektrischer Steckverbinder mit einem Kurzschlusselement

Title (fr)

Connecteur électrique avec dispositif de court circuitage des conducteurs

Publication

**EP 0634623 B1 19980902 (DE)**

Application

**EP 94110453 A 19940705**

Priority

DE 4323839 A 19930716

Abstract (en)

[origin: EP0634623A1] A device is specified for the connection of an explosive charge, which can be triggered by electrical current, to a current source, in the case of which device a two-wire electrical cable is connected to the explosive charge. A plug (4) having two plug pins (7, 8) which run parallel to one another and onto which a mating plug is plugged when the device is in the closed position is fitted on that end of the cable facing away from the explosive charge. A short-circuiting element (11) is fitted in the region between the two plug pins (7, 8). This short-circuiting element (11) consists of resilient metal and is arranged such that it can move in the plug (4) in the direction of the axis of the plug pins (7, 8), between a defined rest position and an operating position. In its rest position, which is predetermined by its own shape and spring force and corresponds to the device being in the open position, the short-circuiting element (11) projects into the space which is provided for mating the plug when the device is in the closed position, making contact with both plug pins (7, 8), by a distance which is shorter than the length of the plug pins (7, 8). In its operating position, it is arranged in a recess (14) in the plug (4), making contact on the end surface of the mating plug, which is located in the closed position of the device, without touching the plug pins (7, 8). <IMAGE>

IPC 1-7

**F42C 19/06**; H01R 13/703; H01R 31/08

IPC 8 full level

**F42C 19/06** (2006.01); **H01R 13/703** (2006.01); **H01R 31/08** (2006.01)

CPC (source: EP US)

**F42C 19/06** (2013.01 - EP US); **H01R 13/7032** (2013.01 - EP US)

Cited by

CN106532305A; CN109932611A; CN106532355A; CN108023199A; US6082264A; EP0849562A3

Designated contracting state (EPC)

DE FR GB IT NL PT SE

DOCDB simple family (publication)

**EP 0634623 A1 19950118**; **EP 0634623 B1 19980902**; AU 6611694 A 19950127; DE 4323839 A1 19950119; DE 59406814 D1 19981008; US 5505631 A 19960409

DOCDB simple family (application)

**EP 94110453 A 19940705**; AU 6611694 A 19940701; DE 4323839 A 19930716; DE 59406814 T 19940705; US 25874494 A 19940610