

Title (en)
PLUG-COUPLING DEVICE WITH EXPLOSION PROTECTION

Publication
EP 0159505 B1 19910502 (DE)

Application
EP 85102611 A 19850307

Priority
DE 3412310 A 19840403

Abstract (en)
[origin: EP0159505A2] A plug-coupling device is formed from a socket (10) and a plug (11). Inside the plug-coupling device there is fitted a flanged ring (44) on which sliding surfaces formed from two oblique surfaces (64, 65) are integrally formed, which sliding surfaces interact with pins (72) which are guided such that they can move axially in the socket housing (30) and are held under the pressure of a spring (73). The two oblique surfaces (64, 65) are inclined with respect to one another such that for switching on, the one, first oblique surface (74) operates the switch automatically into the switched-off position. As a result of slots (69, 70) being provided on both sides of the oblique surfaces (64, 65), two latching positions are formed in connection with the pins (72) in which the switch is switched on or switched off. <IMAGE>

IPC 1-7
H01R 13/53; **H01R 13/70**; **H01R 13/707**

IPC 8 full level
H01R 13/53 (2006.01); **H01R 13/70** (2006.01); **H01R 13/707** (2006.01); **H01R 24/76** (2011.01); **H01R 13/627** (2006.01)

CPC (source: EP)
H01R 13/70 (2013.01); **H01R 13/53** (2013.01); **H01R 13/627** (2013.01)

Cited by
US6054779A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0159505 A2 19851030; **EP 0159505 A3 19880406**; **EP 0159505 B1 19910502**; AT E63184 T1 19910515; DE 3412310 A1 19860102; DE 3582693 D1 19910606; ES 285659 U 19851001; ES 285659 Y 19860501; YU 33685 A 19871031

DOCDB simple family (application)
EP 85102611 A 19850307; AT 85102611 T 19850307; DE 3412310 A 19840403; DE 3582693 T 19850307; ES 285659 U 19850327; YU 33685 A 19850304