

Title (en)
Pluggable and lockable monopole connector

Title (de)
Einsteckbarer und verriegelbarer einpoliger Steckverbinder

Title (fr)
Connecteur monopolaire enfichable et verrouillable

Publication
EP 0949721 B1 20030611 (EN)

Application
EP 99104344 A 19990304

Priority
• EP 99104344 A 19990304
• EP 98400552 A 19980310

Abstract (en)
[origin: EP0949721A1] A monopole electrical connector (4) for interconnecting a conductor such as a cable to a structure for ground or power connection, comprises a receptacle portion mountable over a stud (8) having transverse locking protrusions (13). A locking ring (32) is resiliently and rotatably assembled to the connector housing (14), and comprises a camming slot (52) engaging the locking studs (13) of the mating connector (6). The oblique camming portion (52) of the camming slot ensures that unless complete coupling of the connectors has occurred, the connectors are biased to an uncoupled and electrically disconnected state. In the fully coupled state, a transverse locking portion (54) of the camming slot (50) engages the locking protrusions (13) of the mating connector thereby securely locking the connectors together. <IMAGE> <IMAGE>

IPC 1-7
H01R 24/00; **H01R 13/213**

IPC 8 full level
H01R 13/213 (2006.01); **H01R 24/00** (2006.01)

CPC (source: EP)
H01R 13/213 (2013.01); **H01R 24/20** (2013.01); **H01R 24/28** (2013.01); **H01R 24/66** (2013.01); **H01R 2101/00** (2013.01)

Cited by
CN111164837A; EP1600357A1; US11121492B2; US7308833B2; WO2019072513A1

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DE FR GB

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