

Title (en)

Electrical connector having externally mounted ground plates.

Title (de)

Elektrischer Verbinder mit aussenseitig befestigten Erdpotentialschicht.

Title (fr)

Connecteur électrique avec couches de terre fixées à l'extérieur.

Publication

EP 0540310 A1 19930505 (EN)

Application

EP 92309874 A 19921028

Priority

- US 78664491 A 19911101
- US 78669691 A 19911101

Abstract (en)

For securing an externally mounted ground plate (50,70) to electrical connector (12), the ground plate (50,70) is secured along one of the sides of the connector (10) and has a leading edge (54,74) thereof exposed at the mating face (14) of the connector (10) and adapted to be received within the housing of a complementary connector (84) upon the connector (10) being mated thereto. Means for securing the ground plate (50,70) to the electrical connector (10) includes a pair of tabs (60,80) extending from the ground plate (50,70) proximate the leading edge (54,74) thereof and engageable with and latchingly securable in cooperating slots (34) on end walls of the connector housing (12) and an inwardly directed rolled portion (56,76) extending substantially along the entire length of the leading edge of the ground plate (50,70), the rolled portion (56,76) being received within a cooperating recess (2) of the associated housing side wall. The recess (20) is configured to receive the rolled edge of the ground plate (50,70) such that the ground plate lies securely against the side wall and the overall dimensions of the mating face (14) are not substantially increased thereby. <IMAGE> <IMAGE>

IPC 1-7

H01R 13/658; H01R 23/68

IPC 8 full level

H01R 12/72 (2011.01)

CPC (source: EP)

H01R 12/724 (2013.01)

Citation (search report)

- [X] EP 0412331 A1 19910213 - SIEMENS AG [DE]
- [AD] GB 2163305 A 19860219 - TERADYNE INC
- [A] EP 0344972 A1 19891206 - AMP INC [US]

Designated contracting state (EPC)

DE FR GB IT NL

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