

Title (en)

Electrical connector assembly, extension connectors and system for the supply of electrical power

Title (de)

Elektrische Verbinderanordnung, Verlängerungsverbindern und System für die elektrische Leistungsversorgung

Title (fr)

Assemblage de connecteur électrique, connecteurs de prolongement et système d'alimentation d'énergie électrique

Publication

EP 0734095 A1 19960925 (EN)

Application

EP 96610008 A 19960321

Priority

NO 951123 A 19950323

Abstract (en)

An electrical connector assembly in form of an extension connector (10) and a counter member (30), as well as coupling devices and a system for supplying electricity and comprising these members are intended for use in electrical heavy-current installations, especially in offices and private premises. The extension connector (10) of the connector assembly is formed as a cable termination completely closed in extension of the cable end. Channels (31, 32, 33) extend substantially perpendicular to the fixed conductor ends (21, 22, 23) of the cable end and can receive connecting means (51) on a counter member (30). Each connecting means is provided with resilient contact members (51) adapted to receive a solid conductor end (21, 22, 23) of the cable end, and the counter member (30) comprises a hollow shell-shaped part (50) shaped so as to receive the cable termination (10) while the connecting means (51) slide into the channels (31, 32, 33). The coupling devices of the system comprise one or more extension connectors and mating counter members. The described system of connector members facilitate the cable termination and presents a flexible solution making it easy to install cables and to connect cables to various electrical appliances. <IMAGE>

IPC 1-7

H01R 4/24; **H01R 9/03**

IPC 8 full level

H01R 4/24 (2006.01); **H01R 9/03** (2006.01)

CPC (source: EP)

H01R 4/2429 (2013.01); **H01R 9/031** (2013.01)

Citation (search report)

- [A] EP 0489549 A2 19920610 - AMP INC [US]
- [A] DE 2736244 A1 19780216 - AMP INC
- [A] DE 3203651 A1 19830818 - MAIGLER GEB MAIGLER BRIGITTA [DE]
- [A] GB 2229588 A 19900926 - RALSTON ARCHIBALD MCARTHUR [GB]

Cited by

EP4411991A1; FR3145449A1; FR2761533A1; GB2325095A; GB2325095B; US6264493B1; WO2022218465A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

EP 0734095 A1 19960925; NO 951123 D0 19950323; NO 951123 L 19960924

DOCDB simple family (application)

EP 96610008 A 19960321; NO 951123 A 19950323