Title (en)

ROUND-TO-FLAT SHIELDED CONNECTOR ASSEMBLY

Publication

EP 0509324 A3 19930505 (EN)

Application

EP 92105661 A 19920402

Priority

US 68607091 A 19910415

Abstract (en)

[origin: EP0509324A2] A system is provided for producing a shielded connector assembly (14) for connecting a round multiconductor cable (24) to a complementary connector (16) having a flat array of terminals. The cable includes a plurality of insulated conductors (22) within a cable shield (26) and surrounded by an outer insulating jacket (28) which is stripped to expose the cable shield and the insulated conductors. An insulating housing (16) has a receptacle (52) for receiving the insulated conductors (22) in a flat array. A plurality of terminals (20) are provided for termination to the received conductors (22) and for mating with the terminals of the complementary connector. A conductive connector shield (18) is mounted on and about a portion of the insulating housing (16), with a portion of the shield extending into the receptacle (52). A round conductive crimp ferrule (30) is positioned over the round multiconductor cable (24) in engagement with the exposed cable shield (26) and with the exposed insulated conductors (22) projecting from an end of the crimp ferrule. The exposed insulated conductors are sorted and positioned in a flat array. The round conductive crimp ferrule (30) is crimped into a generally flat configuration onto the cable (24) for holding the conductors (22) in their flat array within the receptacle (52) of the housing (16) for termination to the terminals (30), and with the crimped ferrule in engagement with the shield portion (18) in the receptacle. <IMAGE>

IPC 1-7

H01R 13/658

IPC 8 full level

H01R 13/648 (2006.01); **H01R 13/658** (2011.01); **H01R 43/00** (2006.01)

CPC (source: EP KR)

H01R 13/648 (2013.01 - KR); **H01R 13/6592** (2013.01 - EP); H01R 24/62 (2013.01 - EP)

Citation (search report)

- [AD] US 4713023 A 19871215 - BIXLER CRAIG A [US], et al
- [A] US 4398780 A 19830816 - NOVOTNY LAWRENCE G [US], et al

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CN109610717A

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0509324 A2 19921021; **EP 0509324 A3 19930505**; **EP 0509324 B1 19970702**; DE 69220605 D1 19970807; DE 69220605 T2 19980212; JP H05159845 A 19930625; JP H0760725 B2 19950628; KR 920020787 A 19921121; KR 950012472 B1 19951018

DOCDB simple family (application)

EP 92105661 A 19920402; DE 69220605 T 19920402; JP 11980892 A 19920413; KR 920006182 A 19920414