

Title (en)
Improvements relating to electrical connectors.

Title (de)
Elektrische Verbinder.

Title (fr)
Connecteurs électriques.

Publication
EP 0190843 A1 19860813 (EN)

Application
EP 86300414 A 19860121

Priority
GB 8501521 A 19850122

Abstract (en)
An electrical connector, i.e. a plug, receptacle or adaptor, for use with a single twisted pair screened or double screened cable comprises a triaxial assembly of first, second and third coaxial contacts, the first of which is coaxially embraced by and electrically insulated from the second which in turn is coaxially embraced by and electrically insulated from the third. The triaxial assembly comprised of the first, second and third contacts forms a sub-assembly, with the third contact having a screw-threaded retainer nut on one end serving to retain and operatively position the first and second contacts and associated electrically insulating bushings within the internal void of the third contact. An outer body shell envelops the triaxial assembly and provides mechanical protection and radio-frequency screening therefor. The first and second contacts have axially-offset crimp buckets for connection thereto of the conductors of a single twisted pair screened cable, and the retainer nut associated with the third contact has a rearward tubular projection cooperating with a crimp sleeve for connection thereto of the cable screen. For a double screened cable, the outer body shell can be insulated from the third contact and connected to the outer cable screen.

IPC 1-7
H01R 17/12

IPC 8 full level
H01R 9/03 (2006.01); **H01R 13/646** (2006.01)

CPC (source: EP)
H01R 13/65915 (2020.08); **H01R 24/568** (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)
• [XD] US 4307926 A 19811229 - SMITH DONALD L
• [XD] EP 0067727 A1 19821222 - BENDIX CORP [US]
• [XD] GB 2085676 A 19820428 - SOGIE
• [XD] FR 1259785 A 19610428 - LIGHT & POWER ACCESSORIES COMP
• [A] US 3253250 A 19660524 - HARRISON PAUL E, et al
• [A] US 3869187 A 19750304 - BINGHAM CHALICE
• [A] US 3634815 A 19720111 - STEVENS WILLIAM P, et al

Cited by
FR2950201A1; GB2199197A; EP1950842A3; EP0284320A3; GB2207298A; GB2207298B; EP0290353A3; DE102012015581A1; CN104076473A; GB2315167A; GB2315167B; US5882226A; GB2423649A; CN106019492A; GB2305551A; GB2305551B; RU2669577C1; US7160149B1; WO2007001388A1; US7221245B2; US9461427B2; EP2546934B1; WO2016130747A1

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

DOCDB simple family (publication)
EP 0190843 A1 19860813; GB 2170364 A 19860730; GB 2170364 B 19891213; GB 2211676 A 19890705; GB 2211676 B 19891213; GB 8601408 D0 19860226; GB 8900608 D0 19890308

DOCDB simple family (application)
EP 86300414 A 19860121; GB 8601408 A 19860121; GB 8900608 A 19890111