

Title (en)
ELECTRICAL CABLE CONNECTOR

Publication
EP 0282194 B1 19930804 (EN)

Application
EP 88301490 A 19880222

Priority
• US 2376087 A 19870309
• US 4051087 A 19870420
• US 13678587 A 19871222

Abstract (en)
[origin: EP0282194A1] A connector (10) adapted to couple stripped electrically conductive wires (20, 22, 24) of a flat cable (12) with the traces of a printed circuit board (16) through a mating connector (14) upstanding from the printed circuit board (16). The connector (10) comprises a housing (62) formed with a longitudinal central slot (90) adapted to receive an electrically conductive ground bus (72). The upper end of the bus (72) is adapted to retain stripped ground wires (20) of the flat cable (12) by crimping. The lower end of the bus (72) is adapted to be received within the mating connector (14). A plurality of parallel apertures (94) are formed in the housing (62) on opposite sides of the bus (72) to receive signal contacts (60), the upper ends of which are adapted to retain stripped signal wires (22, 24) of the flat cable (12) by soldering. The lower ends of the signal contacts (60) are adapted to be received within the mating connector (14). The connector also includes front and rear cover halves (64, 66) couplable between the housing (62) and the mating connector (14) and adapted to receive and support therebetween the flat cable (12) above its stripped wires (20, 22, 24). Also disclosed is the method of using the connector (10) and the method of assembling the connector (12).

IPC 1-7
H01R 23/66; H01R 43/28

IPC 8 full level
H01R 12/70 (2011.01); **H01R 13/639** (2006.01); **H01R 24/00** (2006.01); **H01R 43/00** (2006.01); **H01R 43/28** (2006.01); **H01R 12/79** (2011.01)

CPC (source: EP)
H01R 12/775 (2013.01); **H01R 43/28** (2013.01); **H01R 12/79** (2013.01)

Cited by
US5114362A; EP0603757A3; US5651695A; US7306479B1; EP0741919A4; US9791634B2

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0282194 A1 19880914; EP 0282194 B1 19930804; DE 3882751 D1 19930909; DE 3882751 T2 19940217; JP 2593330 B2 19970326; JP S63294674 A 19881201

DOCDB simple family (application)
EP 88301490 A 19880222; DE 3882751 T 19880222; JP 5279088 A 19880308