

Title (en)
Ribbon cable connector.

Title (de)
Verbinder für Flachkabel.

Title (fr)
Connecteur pour câble ruban.

Publication
EP 0006100 A1 19800109 (EN)

Application
EP 78300053 A 19780619

Priority
EP 78300053 A 19780619

Abstract (en)
An electrical connector composed of a dielectric housing (16) that defines an internal cavity, cable openings for receiving the ends of a pair of flat ribbon cables (71) with alternating ground and signal wires (72, 73), and conductor openings for receiving conductor elements (74) to be connected to the conductive wires (72, 73) in the flat cables. Located in the cavity is a first grounding bus for electrically connecting together the alternate ground wires in one of the cables and a second grounding bus for electrically connecting together the alternate ground wires in the other cable. Also retained within the cavity are a plurality of electrically isolated coupling elements each operative to electrically connect one of the conductor elements (74) with a different one of the alternate signal wires in the two cables. Finally a ground output means connects the first and second grounding busses to at least one conductor element so as to connect all of the ground wires to a circuit common outside the connector.

IPC 1-7
H01R 23/00; **H01R 13/648**

IPC 8 full level
H01R 4/24 (2006.01); **H01R 13/658** (2011.01)

CPC (source: EP)
H01R 12/675 (2013.01); **H01R 4/242** (2013.01); **H01R 13/6585** (2013.01)

C-Set (source: EP)
H01R 12/00 + **H01R 4/242** + **H01R 13/658**

Citation (search report)

- US 4094566 A 19780613 - DOLA FRANK PETER, et al
- FR 2361759 A1 19780310 - AMP INC [US]
- US 4076365 A 19780228 - ROSS MILTON DEAN, et al
- [A] US 4027941 A 19770607 - NAROZNY RONALD S
- [A] US 3864011 A 19750204 - HUBER JOHN HENRY
- [A] US 3768067 A 19731023 - RAULT P
- [A] US 3731251 A 19730501 - SINCLAIR W

Cited by
US4693539A; EP0147080A3; EP0236860A3; US5674083A; GB2223634A; GB2223634B; EP0773599A3; US5833486A; CN1057642C; CN109768408A

Designated contracting state (EPC)
CH DE FR GB NL

DOCDB simple family (publication)
EP 0006100 A1 19800109; **EP 0006100 B1 19840328**; DE 2862393 D1 19840503

DOCDB simple family (application)
EP 78300053 A 19780619; DE 2862393 T 19780619