

Title (en)
Zero insertion force electrical connector.

Title (de)
Einfügungskraftfreier elektrischer Verbinder.

Title (fr)
Connecteur électrique à force d'insertion nulle.

Publication
EP 0340994 A1 19891108 (EN)

Application
EP 89304335 A 19890428

Priority
• GB 8810581 A 19880505
• GB 8904492 A 19890228
• GB 8904501 A 19890228

Abstract (en)
An electrical connector (2) is disclosed which can electrically terminate flexible cable (200) to a printed circuit board (210). The connector includes an insulating housing (4) having a plurality of terminals (150, 30, 30 min) which extend forwardly towards the front face. The terminals (150) are each provided with horizontal base sections (152), and a retention leg (168). The terminals include first contact portions (166). The terminals further comprise spring portions (158) having a second contact portion (164) opposed from the first contact portion (166). A lever section (162) extends from the spring portion (158). A cam actuator (100) is installed on the connector housing (4) with individual cam sections aligned with, and below, the lever sections (162) of the terminals. The cam actuator (100) is rotatable relative to the housing (4) to cam the terminals (150) open for insertion of the conductors.

IPC 1-7
H01R 13/193

IPC 8 full level
H01R 24/00 (2006.01); **H01R 13/11** (2006.01); **H01R 13/193** (2006.01); **H01R 12/59** (2011.01); **H01R 12/88** (2011.01)

CPC (source: EP)
H01R 12/88 (2013.01); **H01R 12/592** (2013.01)

Citation (search report)
• [X] EP 0189234 A1 19860730 - DU PONT [US], et al
• [YD] EP 0263296 A2 19880413 - GROTE & HARTMANN [DE]
• [A] US 4576427 A 19860318 - VERBRUGGEN MARCEL [BE]

Cited by
US7393240B2; GB2286490A; EP0696090A3; EP0926778A3; DE10321184A1; DE19924060A1; EP1056160A3; EP0773608A3; EP1043806A3; EP1058350A3; CN108075254A; WO03107487A1

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DOCDB simple family (application)
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