Title (en)
  CARD EDGE CONNECTOR ASSEMBLY

Publication
  EP 0529345 A3 19930526 (EN)

Application
  EP 92113141 A 19920801

Priority
  US 74036591 A 19910805

Abstract (en)
  [origin: EP0529345A2] A card edge connector assembly includes a printed circuit card (10) having an edge (12) and a plurality of first conductive pads (20) arranged in a pattern on one side of the card near the edge, and a plurality of second conductive pads (22) arranged in a pattern on the opposite side of the card spaced inwardly of the edge and the first conductive pads. An elongated housing (24) is provided with a card receiving slot (25) for receiving the edge of the printed circuit card. A plurality of pairs of contact elements (32a, 32b) are mounted in the housing along the length of the slot. Each pair of contact elements includes a short contact element having a spring contact portion (78) for engaging one of the first conductive pads, and a long contact element having a spring contact portion for engaging one of the second conductive pads. The contact portions of each pair of contact elements are spatially overlapped each other in a direction transversely of the slot to increase the deflection capabilities of the contact elements.

IPC 1-7
  H01R 23/70; H05K 7/14

IPC 8 full level
  H01R 13/639 (2006.01); **H01R 12/72** (2011.01); **H01R 12/82** (2011.01); **H01R 13/05** (2006.01); **H01R 24/00** (2006.01); **H01R 43/16** (2006.01)

CPC (source: EP KR)
  H01R 12/58 (2013.01 - KR); **H01R 12/72** (2013.01 - KR); **H01R 12/721** (2013.01 - EP); **H01R 12/82** (2013.01 - EP)

Citation (search report)
  • [Y] CH 611079 A5 19790515 - STANDARD TELEPHON & RADIO AG [CH]
  • [Y] US 4598966 A 19860708 - BOLAND LAWRENCE J [US]
  • [A] US 4343523 A 19820810 - CAIRNS THOMAS M, et al
  • [A] US 4542950 A 19850924 - GILLETT JOHN B [US], et al

Cited by
  EP1094696A3; CN109326906A; EP0627792A1; FR2705501A1; US6796831B1; EP2916392A1; US9431759B2; US9691434B2; US9196303B2; US9819129B2

Designated contracting state (EPC)
  DE FR GB IT

DOCDB simple family (publication)
  EP 0529345 A2 19930303; **EP 0529345 A3 19930526**; **EP 0529345 B1 19961211**; DE 69215792 D1 19970123; DE 69215792 T2 19970626; JP H05217642 A 19930827; JP H0828257 B2 19960321; KR 930005294 A 19930323; SG 43825 A1 19971114

DOCDB simple family (application)
  EP 92113141 A 19920801; DE 69215792 T 19920801; JP 22809592 A 19920804; KR 920013979 A 19920804; SG 1996001552 A 19920801