

Title (en)

Improvements in and relating to printed-circuit board edge connectors.

Title (de)

Kantenverbinder von gedruckten Schaltungskarten.

Title (fr)

Connecteurs coopérant avec la bordure d'une carte à circuits imprimées.

Publication

EP 0083862 A2 19830720 (EN)

Application

EP 82306849 A 19821221

Priority

GB 8138658 A 19811222

Abstract (en)

A system for providing edge connection to printed-circuit boards 40 and the like has very low insertion force and almost no contact wear, so avoiding the disadvantages of conventional edge connection systems, by employing a connector comprising two mutually pivotable arms 10 and 12 or 72 and 74 having protrusions 14 and 16 or 76 and 78 at their distal ends which are separable in response to the board being introduced between the protrusions 14 and 16 or 76 and 78 to separate spring contact sections 32 34 far enough to allow insertion of the board 40 without rubbing thereagainst, the protrusions 14 and 16 or 76 and 78 falling into a void 48 94 at the end of insertion to allow the spring contact sections 32 34 to impinge upon pads 44 96 on the board 40 with the coming back together of the arms 10 and 12 or 72 and 74, the system working in reverse for the withdrawal of a board 40.

IPC 1-7

H01R 23/70

IPC 8 full level

H01R 12/88 (2011.01)

CPC (source: EP)

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Cited by

EP0242954A1; GB2242579A; EP0157471A1; JP2016024942A; EP0122486A1; US4519660A; US8398423B2; US8636530B2; WO2012123220A1; WO2010069673A1; WO2007062866A1; WO2010069741A1

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