

Title (en)

Zero insertion force printed circuit board edge connector.

Title (de)

Reibungsfrei einsetzbarer Kantenverbinder für gedruckte Schaltungsplatten.

Title (fr)

Connecteur en bordure pour cartes à circuits imprimés à force d'insertion nulle.

Publication

**EP 0002114 A1 19790530 (EN)**

Application

**EP 78300558 A 19781027**

Priority

US 85102177 A 19771114

Abstract (en)

The connector comprises a housing (12) containing a row of electrical contacts (18), a cam (60) being rotatable about its own axis to raise a contact driving member (16) to cam the contacts (18) away from a printed circuit board receiving channel (28) formed in the housing (12) to allow the insertion of a printed circuit board into the channel (28) without the board engaging the contacts (18), and to permit ready removal of the board from the channel (28). To ensure that the contacts (18) are disengaged from the board only sequentially in groups, the contact driving member (16) is formed with relatively stepped, contact engaging, surfaces (47).

IPC 1-7

**H05K 1/07**; **H01R 13/62**

IPC 8 full level

**H01R 12/88** (2011.01); **H01R 24/00** (2006.01)

CPC (source: EP)

**H01R 12/88** (2013.01)

Citation (search report)

- FR 1433439 A 19660401 - CSF
- DE 2707122 A1 19770901 - JAPAN AVIATION ELECTRON
- [P] US 4069403 A 19780117 - BEAUDETTE REAL J, et al
- FR 2278222 A1 19760206 - SOCAPEX [FR]
- [A] FR 2163219 A5 19730720 - BOSCH
- [A] US 3744005 A 19730703 - SITZLER F
- [AD] US 3648221 A 19720307 - TILLMANN HANS PETER, et al

Cited by

EP0035354A3; EP0036264A3; US4700998A

Designated contracting state (EPC)

BE DE FR GB NL SE

DOCDB simple family (publication)

**EP 0002114 A1 19790530**; **EP 0002114 B1 19810107**; BR 7807359 A 19790724; CA 1088170 A 19801021; DE 2860439 D1 19810226; ES 475022 A1 19790416; IT 1100681 B 19850928; IT 7829484 A0 19781106; JP S5482078 A 19790629; JP S616511 B2 19860227; MX 144500 A 19811020

DOCDB simple family (application)

**EP 78300558 A 19781027**; BR 7807359 A 19781108; CA 313531 A 19781016; DE 2860439 T 19781027; ES 475022 A 19781113; IT 2948478 A 19781106; JP 13977078 A 19781113; MX 17560978 A 19781114