

Title (en)
Circuitboard connector

Title (de)
Leiterplattenverbinder

Title (fr)
Connecteur pour plaque de circuit imprimé

Publication
EP 0789427 A3 19991215 (DE)

Application
EP 97101361 A 19970129

Priority
DE 19605099 A 19960212

Abstract (en)
[origin: EP0789427A2] The connector has contact elements (15) for electrically connecting contacts of at least two electric circuit boards (1,2). Holding devices (16) hold the contact elements (15) in their correct position inside the connector (10). The contact elements (15) and the holding devices (16) are formed and/or arranged such that forces exerted on the holding devices (16) by and/or via the contact elements (15) at least partly increase in the region of the holding device. Preferably, the connector (10) is formed to electrically connect parallel circuit boards (1,2). The circuit board contacts may be surface contacts. Preferably, the contact elements (15) are elements inserted through channels (14) in the connector (10). The channels (14) are formed and dimensioned such that the ends of the contact elements are elastically pressed back in the channels to the connection point.

IPC 1-7
H01R 23/72

IPC 8 full level
H01R 13/639 (2006.01); **H01R 12/71** (2011.01); **H01R 13/405** (2006.01)

CPC (source: EP US)
H01R 12/714 (2013.01 - EP US)

Citation (search report)

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- [A] DE 3542464 A1 19860612 - AMERICAN TELEPHONE & TELEGRAPH [US]
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- [A] EP 0571879 A2 19931201 - JAPAN AVIATION ELECTRON [JP]
- [XA] "FINE PITCH PARALLEL BOARD CONNECTOR", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 34, no. 7B, 1 December 1991 (1991-12-01), pages 154 - 156, XP000282535, ISSN: 0018-8689

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EP1022813A1; DE102004020325A1; DE102004020325B4; US6176708B1

Designated contracting state (EPC)
AT BE CH DE FI FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0789427 A2 19970813; EP 0789427 A3 19991215; EP 0789427 B1 20031022; AT E252773 T1 20031115; CA 2197143 A1 19970813; CA 2197143 C 20040810; DE 59710871 D1 20031127; JP 3943178 B2 20070711; JP H09232051 A 19970905; US 5893761 A 19990413

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EP 97101361 A 19970129; AT 97101361 T 19970129; CA 2197143 A 19970210; DE 59710871 T 19970129; JP 2262697 A 19970205; US 79977297 A 19970212