

Title (en)  
Card edge connector

Title (de)  
Leiterplattenrandverbinder

Title (fr)  
Connecteur de bord pour carte de circuit imprimé

Publication  
**EP 0977315 A3 20010516 (EN)**

Application  
**EP 99305940 A 19990727**

Priority  
• JP 21096598 A 19980727  
• JP 32368498 A 19981113

Abstract (en)  
[origin: EP0977315A2] A card edge electrical connector (1) providing reliable grounding of a daughter board (60) to a mother board (50) via metal latch members (30) thereof. An insulating housing (10) is attached to a mother board (50) and has metal latch members (30) disposed adjacent end portions thereof which hold a daughter board (60) by means of holding members (32c) at a second angle when the daughter board (60) is rotated to the second angle after being inserted into a daughter board-accommodating recess (11) of the housing (10) at a first angle. The latch members (30) are soldered to a ground path of the mother board (50) by connection sections (34). Metal ground auxiliary contact members (40), which have first resilient contact portions (43) that resiliently engage a ground path of the daughter board (60) and second resilient contact portions (44) that resiliently engage the latch members (30) are attached to the housing (10). The contact members (40) may be integral with the latch members (30).  
<IMAGE>

IPC 1-7  
**H01R 12/18**

IPC 8 full level  
**H01R 12/88** (2011.01)

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

Citation (search report)  
• [A] US 5425651 A 19950620 - THRUSH ROGER L [US], et al  
• [A] US 5514002 A 19960507 - CHENG LEE M [US], et al  
• [A] EP 0797276 A2 19970924 - MOLEX INC [US]

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0977315 A2 20000202; EP 0977315 A3 20010516; CN 1126201 C 20031029; CN 1243344 A 20000202**

DOCDB simple family (application)  
**EP 99305940 A 19990727; CN 99110631 A 19990723**