

Title (en)  
Card connector for receiving a PC card

Title (de)  
Kartenverbinder für PC-Karte

Title (fr)  
Connecteur de carte recevant une carte de PC

Publication  
**EP 1152493 A3 20020306 (EN)**

Application  
**EP 01107686 A 20010328**

Priority  
JP 2000087870 A 20000328

Abstract (en)  
[origin: EP1152493A2] Disclosed is an improved card connector (2) for receiving at least one PC card (1). The card connector includes a card connector section (3) and a substrate connector section (4) wherein the card connector section (3) includes an insulating housing (5) having a lateral array (7) of pin terminals (6) to mate with corresponding receptacles of the card and grounding terminals (9) to contact the outer casing of the card. The insulating housing further includes a rearwardly extending alignment extension (28) having a leg portion (29) extending downwardly therefrom. The pin terminals include connections tails (8) arranged in a single row along the leg portion (29) of the alignment section (28). The substrate connector section (4) includes signal terminals (22) having engagement tails (22a) with a "C"-shaped contact section for receiving a respective connection tail of the pin terminal of the card connector section along with an adjacent leg portion (29) of the alignment section (28). This arrangement permits the significant reduction of the longitudinal size of the card connector. <IMAGE>

IPC 1-7  
**H01R 12/16**; **G06K 7/00**

IPC 8 full level  
**G06K 17/00** (2006.01); **H01R 12/16** (2006.01); **H01R 12/18** (2006.01); **H01R 12/20** (2006.01); **H01R 13/633** (2006.01); **H01R 13/648** (2006.01)

CPC (source: EP KR)  
**H01R 12/00** (2013.01 - KR); **H01R 12/716** (2013.01 - KR); **H01R 13/658** (2013.01 - EP); **H01R 12/716** (2013.01 - EP)

Citation (search report)  
• [Y] US 5688130 A 19971118 - HUANG SAN-SHAN [TW]  
• [Y] US 4818239 A 19890404 - ERK KAYA [US]  
• [PX] EP 1014503 A2 20000628 - MOLEX INC [US]  
• [A] EP 0863584 A2 19980909 - MOLEX INC [US]  
• [Y] PATENT ABSTRACTS OF JAPAN vol. 018, no. 494 (P - 1800) 14 September 1994 (1994-09-14)

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

DOCDB simple family (publication)  
**EP 1152493 A2 20011107**; **EP 1152493 A3 20020306**; **EP 1152493 B1 20060531**; CN 1206778 C 20050615; CN 1316806 A 20011010; DE 60120037 D1 20060706; DE 60120037 T2 20061221; JP 2001283956 A 20011012; KR 100414848 B1 20040113; KR 20010093731 A 20011029; TW 499076 U 20020811

DOCDB simple family (application)  
**EP 01107686 A 20010328**; CN 01119213 A 20010327; DE 60120037 T 20010328; JP 2000087870 A 20000328; KR 20010016145 A 20010328; TW 90204665 U 20010425