

Title (en)  
LOW INSERTION FORCE CIRCUIT BOARD CONNECTOR ASSEMBLY

Publication  
**EP 0162109 B1 19901227 (EN)**

Application  
**EP 85900323 A 19841120**

Priority  
US 55474583 A 19831123

Abstract (en)  
[origin: WO8502499A1] A low insertion force electrical connector system comprises a receptable (19) having a plurality of electrical contacts (31, 32) arranged in at least two opposing rows. A low insertion force system (30) selectively spaces apart or closes the electrical contacts to limit insertion of a circuit board with a low force. Devices (22) are provided for aligning and locking the circuit board within the receptacle and an actuating system (36) is arranged to serially operate the aligning and locking devices first followed by the low insertion force system.

IPC 1-7  
**H01R 9/09**

IPC 8 full level  
**H01R 12/88** (2011.01); **H01R 13/639** (2006.01); **H01R 24/00** (2006.01)

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

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

DOCDB simple family (publication)  
**WO 8502499 A1 19850606**; AU 3740885 A 19850613; AU 570292 B2 19880310; BR 8407187 A 19851105; DE 3483887 D1 19910207; EP 0162109 A1 19851127; EP 0162109 A4 19870601; EP 0162109 B1 19901227; JP H0527956 B2 19930422; JP S61500516 A 19860320

DOCDB simple family (application)  
**US 8401921 W 19841120**; AU 3740885 A 19841120; BR 8407187 A 19841120; DE 3483887 T 19841120; EP 85900323 A 19841120; JP 50443184 A 19841120