

Title (en)  
Low insertion force connector.

Title (de)  
Steckverbinder mit einer schwachen Einführkraft.

Title (fr)  
Connecteur à faible force d'insertion.

Publication  
**EP 0065357 A1 19821124 (EN)**

Application  
**EP 82302036 A 19820421**

Priority  
GB 8114235 A 19810509

Abstract (en)  
A connector housing (1) has a row of cavities (4) bordering a slot (2) for receipt of a flat cable. Contacts (3) are mounted in the cavities with rearwardly inclined contact springs (7) penetrating the slot (2). An integrally hinged flap (11) on the housing is of L-section, with one limb (14) bordering the slot (2) and providing a cam surface (15) engaging the contact spring (7). Manual depression of the flap (11) deflects the contact spring (7) out of the slot (2) to permit low force insertion of the cable.

IPC 1-7  
**H01R 13/193**; **H01R 23/66**

IPC 8 full level  
**H01R 4/48** (2006.01); **H01R 9/28** (2006.01); **H01R 13/193** (2006.01); **H01R 24/00** (2006.01)

CPC (source: EP)  
**H01R 13/193** (2013.01)

Citation (search report)  
• [X] US 3980375 A 19760914 - LAMARCHE FREDERICK W  
• [X] FR 2310060 A1 19761126 - MOLEX INC [US]

Cited by  
DE3514098A1; DE19823519C1; DE9414939U1; DE10153170C1; DE19855050A1; DE102004045026B3; DE4023072A1; EP0398473A1; DE102005048972A1; DE102005048972B4

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

DOCDB simple family (publication)  
**EP 0065357 A1 19821124**; **EP 0065357 B1 19850807**; AR 228310 A1 19830215; AT E14811 T1 19850815; AU 549633 B2 19860206; AU 8280382 A 19821118; BR 8202510 A 19830412; CA 1183918 A 19850312; DE 3265193 D1 19850912; ES 272783 U 19831101; ES 272783 Y 19840416; JP S57194469 A 19821130; MX 152065 A 19850527

DOCDB simple family (application)  
**EP 82302036 A 19820421**; AR 28924782 A 19820428; AT 82302036 T 19820421; AU 8280382 A 19820419; BR 8202510 A 19820430; CA 401548 A 19820423; DE 3265193 T 19820421; ES 272783 U 19820428; JP 7806982 A 19820510; MX 19259782 A 19820507