

Title (en)
Improved single-sided, straddle mount printed circuit board connector

Title (de)
Einseitiger Leiterplattenverbinder mit Gabelmontage

Title (fr)
Connecteur unilatéral de circuits imprimés avec fourche de retenue

Publication
EP 0886349 B1 20060125 (EN)

Application
EP 98300650 A 19980129

Priority
SG 1997002094 A 19970619

Abstract (en)
[origin: EP0886349A2] A single-sided, straddle mount printed circuit board edge connector (10) positively mechanically locks the connector to the circuit board (20) using a plurality of gripper arm assemblies (16) spaced along the connector housing. The gripper arm assemblies (16) each include an upper and lower gripper arm (34, 36) defining therebetween a printed circuit board receiving space. The gripper arm assemblies (16) positively mechanically lock the printed circuit board to the connector without the use of through holes and screws. The connector overcomes the disadvantages of connector tilt problems, manufacturability and simplicity in assembling the connector and printed circuit board. <IMAGE>

IPC 8 full level
H01R 43/02 (2006.01)

CPC (source: EP)
H01R 12/7064 (2013.01); **H01R 12/57** (2013.01); **H01R 12/721** (2013.01); **H01R 12/724** (2013.01); **H01R 43/0256** (2013.01)

Cited by
DE102004022345B4; EP1204177A3; CN103329635A; US7160139B2

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

DOCDB simple family (publication)
EP 0886349 A2 19981223; EP 0886349 A3 19990721; EP 0886349 B1 20060125; CA 2228235 A1 19981219; DE 69833298 D1 20060413; DE 69833298 T2 20061019; JP 3151185 B2 20010403; JP H1167386 A 19990309; MY 124932 A 20060630

DOCDB simple family (application)
EP 98300650 A 19980129; CA 2228235 A 19980128; DE 69833298 T 19980129; JP 17289298 A 19980619; MY PI9800484 A 19980206