

Title (en)

Matable electrical connectors having signal and power capabilities

Title (de)

Elektrische Anschlussblöcke mit Signal- und Leistungseigenschaften

Title (fr)

Accouplement de connecteurs électriques ayant un signal et des capacités de puissance

Publication

EP 1770828 B1 20110727 (EN)

Application

EP 06026817 A 19990415

Priority

- EP 05019128 A 19990415
- EP 03028187 A 19990415
- EP 99106269 A 19990415
- US 8209198 P 19980417
- US 16090098 A 19980925

Abstract (en)

[origin: EP1770828A2] The present invention relates to An electrical connector, comprising a housing, comprising: a contact receiving cavity ; and a top wall including a heat dissipation through-hole formed therein that is fluidly connected to said contact receiving cavity; and an electrically conductive contact positioned in said contact receiving cavity, said electrically conductive contact comprising a first contact wall, a second contact wall opposing said first contact wall, and a medial space between said first and second contact walls, a first flexible beam adjoining the first contact wall, and a second flexible beam adjoining the second contact wall. The first and second flexible beams each have a width, the first and second flexible beams define a heat flow path therebetween, the heat flow path being unobstructed in a widthwise direction of the first and second flexible beams, and at least a portion of said first and second contact walls are positioned in the housing below said heat dissipation through-hole.

IPC 8 full level

H01R 12/00 (2006.01)

CPC (source: EP)

H01R 12/724 (2013.01)

Cited by

CN110809838A

Designated contracting state (EPC)

BE CH DE DK ES FI FR GB IE IT LI NL SE

DOCDB simple family (publication)

EP 1770828 A2 20070404; EP 1770828 A3 20070711; EP 1770828 B1 20110727

DOCDB simple family (application)

EP 06026817 A 19990415