

Title (en)
PCB-line connector

Title (de)
Leitungs-Steckverbindung

Title (fr)
Connecteur de ligne pour circuit imprimé

Publication
EP 0848459 A3 20001220 (DE)

Application
EP 97120673 A 19971126

Priority
• DE 19651800 A 19961213
• DE 19701034 A 19970115
• DE 19734391 A 19970808

Abstract (en)
[origin: EP0848459A2] The connector comprises an element that is crimped onto the end of the wire (2). The circuit board has slots (3) at its edges which form tongues (4). The sides (3.1,3.2) of the slots are partially metal coated and each metal coated part leads to a conductive path (1.1,1.2) or conductive line. The connector comprises a metal coated outer sleeve (7) which is connected to the outer- or earth-wire (5) and an inner conductive sleeve (8) which is connected to the inner- or signal-carrying wire. When plugged in, the outer sleeve contacts the outer metal coated sides (3.2) of the two outer slots and the inner sleeve contacts the metal coated sides of the central slot or tongue.

IPC 1-7
H01R 17/12; **H01R 9/05**

IPC 8 full level
H01R 9/05 (2006.01); **H01R 13/646** (2011.01)

CPC (source: EP US)
H01R 9/0515 (2013.01 - EP US); **H01R 24/50** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)
• [A] US 5532659 A 19960702 - DODART ANDRE [FR]
• [A] DE 2748818 A1 19790315 - MARCONI CO LTD
• [A] DE 4324917 A1 19940203 - GROTE & HARTMANN [DE]
• [A] DE 3834074 A1 19890420 - NIPPON SHEET GLASS CO LTD [JP]
• [A] US 3201721 A 19650817 - VOELCKER RUDOLPH W
• [A] US 5183412 A 19930202 - NAGAFUJI TOSHIAKI [JP]
• [A] DE 4328426 A1 19940303 - TEVES GMBH ALFRED [DE]
• [A] EP 0557781 A2 19930901 - SIEMENS AG [DE]
• [A] US 2980878 A 19610418 - SWENGEL ROBERT C
• [A] DE 2038193 A1 19720210 - SIEMENS AG
• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06 30 June 1997 (1997-06-30)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 09 30 September 1996 (1996-09-30)

Cited by
DE10109719C1; EP1366544A4; DE19842381A1; DE19842381B4; US9337552B2; WO2014026678A1; DE202011104969U1; WO2013026505A1

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

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DOCDB simple family (application)
EP 97120673 A 19971126; AT 97120673 T 19971126; DE 59712744 T 19971126; US 98965997 A 19971212