

Title (en)

Connection block for high speed transmission in telecommunications and data systems

Title (de)

Anschlussleiste für hohe Übertragungsraten in der Telekommunikations- und Datentechnik

Title (fr)

Bloc de connexion à taux élevé de transmission pour télécommunication et transmission de données

Publication

EP 0637097 B1 19980902 (DE)

Application

EP 94108404 A 19940601

Priority

DE 4325952 A 19930727

Abstract (en)

[origin: EP0637097A1] The invention relates to a connection block for high transmission rates in telecommunications and data technology. The connection block 1 consists of a plastic housing 2 and of metallic insulation piercing terminal contact elements 10 which are inserted in pairs, in at least two parallel rows, into the housing 2 and have connected contact fingers 15 forming spring contacts 16. In order to reduce the capacitances between adjacent insulation piercing terminal contact elements 10 and between adjacent pairs of insulation piercing terminal contact elements 10, and thus to improve the crosstalk levels, the flat insulation piercing terminal contact elements 10 are formed only out of the base web 13 and the very narrow side webs 12 which enclose the contact slots 11 between them. The width of the contact fingers 15 is as small as possible. <IMAGE>

IPC 1-7

H01R 4/24; **H01R 13/703**; **H01R 13/658**

IPC 8 full level

H01R 9/22 (2006.01); **H01R 4/24** (2006.01); **H01R 9/24** (2006.01); **H01R 12/77** (2011.01); **H01R 13/703** (2006.01); **H01R 9/26** (2006.01); **H01R 13/6464** (2011.01); **H01R 13/6474** (2011.01)

CPC (source: EP KR US)

H01R 4/24 (2013.01 - KR); **H01R 4/2429** (2013.01 - EP US); **H01R 12/777** (2013.01 - EP US); **H01R 9/26** (2013.01 - EP US); **H01R 13/6464** (2013.01 - EP US); **H01R 13/6474** (2013.01 - EP US); **H01R 13/703** (2013.01 - EP US); **H01R 2201/16** (2013.01 - EP US); **Y10S 439/922** (2013.01 - EP US); **Y10S 439/941** (2013.01 - EP US)

Cited by

EP0743713A3; DE19925654A1; DE19925654C2; EP0743700A3; EP0849841A1; FR2757691A1; US5967826A; EP0743701A3; EP0743714A3; US7862388B2; US7815439B2; WO2007009729A1; WO2008012016A1; US7901254B2; US8210883B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

EP 0637097 A1 19950201; **EP 0637097 B1 19980902**; AT E170671 T1 19980915; AU 4624593 A 19950309; AU 674155 B2 19961212; BR 9402939 A 19950411; CA 2126582 A1 19950128; CA 2126582 C 19990330; CN 1038082 C 19980415; CN 1102510 A 19950510; CZ 180194 A3 19950215; CZ 288818 B6 20010912; DE 4325952 A1 19950202; DE 4325952 C2 19970213; DE 59406817 D1 19981008; DK 0637097 T3 19990531; ES 2121119 T3 19981116; HK 1004725 A1 19981204; HU 216922 B 19991028; HU 9402196 D0 19941028; HU T71072 A 19951128; IL 110403 A0 19941021; IL 110403 A 19970814; JP H0778655 A 19950320; KR 100308713 B1 20011201; KR 950004638 A 19950218; MY 112875 A 20011031; NZ 260668 A 19961028; PL 175158 B1 19981130; PL 304454 A1 19950206; RO 112938 B1 19980130; RU 2137273 C1 19990910; RU 94026266 A 19960627; SG 43352 A1 19971017; TR 28187 A 19960301; TW 271505 B 19960301; US 5494461 A 19960227; ZA 943974 B 19951207

DOCDB simple family (application)

EP 94108404 A 19940601; AT 94108404 T 19940601; AU 4624593 A 19930910; BR 9402939 A 19940726; CA 2126582 A 19940623; CN 94106700 A 19940701; CZ 180194 A 19940726; DE 4325952 A 19930727; DE 59406817 T 19940601; DK 94108404 T 19940601; ES 94108404 T 19940601; HK 98103904 A 19980506; HU 9402196 A 19940726; IL 11040394 A 19940721; JP 14182694 A 19940623; KR 19940018248 A 19940727; MY PI19941935 A 19940726; NZ 26066894 A 19940602; PL 30445494 A 19940726; RO 9401247 A 19940722; RU 94026266 A 19940729; SG 1996009327 A 19940601; TR 73394 A 19940726; TW 83105960 A 19940630; US 27943694 A 19940725; ZA 943974 A 19940607