

Title (en)  
ELECTRICAL CONNECTOR WITH SHIELDING

Title (de)  
ELEKTRISCHER VERBINDER MIT ABSCHIRMUNG

Title (fr)  
CONNECTEUR ELECTRIQUE BLINDE

Publication  
**EP 0871998 B1 20031126 (DE)**

Application  
**EP 95942705 A 19951220**

Priority  
• DE 4446098 A 19941222  
• EP 9505046 W 19951220

Abstract (en)  
[origin: WO9619850A1] The proposed connector element for printed circuit boards comprises a plurality of signal contacts (2) arranged in a grid pattern in a multipole connector (1) and a shielding unit (3) containing a first and a second earth plate (4 and 5) between which a conducting connection is provided via a bridge (6), the latter being provided with a projecting insertable first earth connection (7). Each earth plate (4 and 5) covers all the signal contacts (2) between any two plates in a column, a shielding unit (3) being provided only for every other signal contact column. With such an arrangement, only one signal contact for every two columns requires earthing and only one shielding unit is required for every two columns to achieve complete shielding of all the columns.

IPC 1-7  
**H01R 12/16**

IPC 8 full level  
**H01R 13/6471** (2011.01); **H01R 13/6586** (2011.01); **H01R 24/00** (2006.01)

CPC (source: EP US)  
**H01R 13/6471** (2013.01 - EP US); **H01R 13/6586** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**WO 9619850 A1 19960627**; AT E255286 T1 20031215; AU 4387996 A 19960710; CA 2208477 A1 19960627; CA 2208477 C 20071009; DE 4446098 A1 19960905; DE 4446098 C2 19981126; DE 59510837 D1 20040108; EP 0871998 A1 19981021; EP 0871998 B1 20031126; FI 972671 A0 19970619; FI 972671 A 19970619; HU T77617 A 19980629; JP H10510944 A 19981020; US 5904594 A 19990518

DOCDB simple family (application)  
**EP 9505046 W 19951220**; AT 95942705 T 19951220; AU 4387996 A 19951220; CA 2208477 A 19951220; DE 4446098 A 19941222; DE 59510837 T 19951220; EP 95942705 A 19951220; FI 972671 A 19970619; HU 9800215 A 19951220; JP 51950696 A 19951220; US 84996797 A 19971021