

Title (en)  
Connecting terminal with blade spring clamp

Title (de)  
Verbindungsklemme mit Blattklemmfeder

Title (fr)  
Borne de raccordement avec une lame de ressort

Publication  
**EP 1152489 A3 20020123 (DE)**

Application  
**EP 01108004 A 20010329**

Priority  
• DE 20008107 U 20000505  
• DE 20013439 U 20000804

Abstract (en)  
[origin: EP1152489A2] The electrical in line connector for use with wires (46,48,50) has a housing of insulating material (26). Within this is a metal contact element (20) that is produced from sheet material. This has folded ends that deflect as the wire ends are inserted and securely grip it.

IPC 1-7  
**H01R 4/48**

IPC 8 full level  
**F21V 23/06** (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP)  
**F21V 23/06** (2013.01); **H01R 4/485** (2023.08); **H01R 4/4821** (2023.08); **H01R 4/483** (2023.08); **H01R 4/4837** (2023.08)

Citation (search report)  
• [X] DE 4444438 A1 19960620 - KLEINHUIS HERMANN GMBH [DE]  
• [A] DE 2432084 A1 19760122 - WAGO KONTAKTTECHNIK GMBH  
• [A] DE 2609291 A1 19770915 - KLEINHUIS FA H  
• [A] DE 3743410 A1 19890629 - ELECTRO TERMINAL GMBH [AT]

Cited by  
JP2020035528A; JP2020035527A; CN112673526A; EP2280453A1; EP1483804A4; WO2014094006A1; US9383067B2; US7988504B2; US7491098B1; US1177233B2; WO2020016395A1

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

DOCDB simple family (publication)  
**EP 1152489 A2 20011107; EP 1152489 A3 20020123; EP 1152489 B1 20030102**; AT E230522 T1 20030115; ES 2187488 T3 20030616

DOCDB simple family (application)  
**EP 01108004 A 20010329**; AT 01108004 T 20010329; ES 01108004 T 20010329