

Title (en)  
Screwless electrical contact device

Title (de)  
Schraubenlose elektrische Kontaktiervorrichtung

Title (fr)  
Dispositif de contact électrique sans vis

Publication  
**EP 0828314 A1 19980311 (EN)**

Application  
**EP 97115354 A 19970904**

Priority  
NO 963800 A 19960910

Abstract (en)  
Screwless electrical contact device for connecting one or more bare conductors thereto, comprising a main part (4) consisting of an electrically well conductive metal, formed from sheet material and having contact areas (7,7A) for cooperation with an inserted conductor (2). A spring element (9,9A) is adapted to press an inserted conductor (2) against the contact areas (7,7A) and formed with an edge or the like for blocking against inadvertent retraction of the conductor (2). A backing element (8) is located opposed to at least an inner portion (7) of the contact areas (7,7A) and converges towards the inner portion (7) at such spacing and such direction that the end (2A) of an inserted conductor (2) is urged into engagement with the contact areas (7,7A). <IMAGE>

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

IPC 8 full level  
**H01R 4/48** (2006.01)

CPC (source: EP)  
**H01R 4/4852** (2023.08); **H01R 4/4821** (2023.08)

Citation (search report)  
• [XA] DE 4003701 A1 19910808 - WAGO VERWALTUNGS GMBH [DE]  
• [X] DE 3346027 A1 19850704 - PHOENIX ELEKT [DE]  
• [A] DE 4444438 A1 19960620 - KLEINHUIS HERMANN GMBH [DE]  
• [A] FR 2360187 A1 19780224 - LETU BERNARD [FR]

Cited by  
DE102010010260B4; CN105552605A; ES2157819A1; DE102015107055B3; EP3012918A1; DE102009050366A1; EP2437353A1; EP3226351A1; CN107240785A; DE102010010260A1; CN102195176A; EP2437354A1; CN102446637A; DE102010050870B4; DE102010010260C5; DE102010010260C9

Designated contracting state (EPC)  
AT DE ES FI FR GR NL PT SE

DOCDB simple family (publication)  
**EP 0828314 A1 19980311**; HU 218123 B 20000628; HU 9701490 D0 19971028; HU P9701490 A2 19980629; HU P9701490 A3 19980728; NO 301567 B1 19971110; NO 963800 A 19971110; NO 963800 D0 19960910; PL 321998 A1 19980316

DOCDB simple family (application)  
**EP 97115354 A 19970904**; HU P9701490 A 19970908; NO 963800 A 19960910; PL 32199897 A 19970908