

Title (en)

Screwless terminal or joining clamp for electrical conductor

Title (de)

Schraubenlose Anschluss- oder Verbindungsklemme für elektrische Leiter

Title (fr)

Terminal ou borne de connexion sans vis pour connecteur électrique

Publication

EP 1045475 B1 20020619 (DE)

Application

EP 00106904 A 20000331

Priority

DE 19917142 A 19990416

Abstract (en)

[origin: EP1045475A2] The terminal has a contact frame (11), a contact spring (12) that interacts with the contact frame with a clamping spring br (19) and spring legs (22). The bridge is connected to the U-profile (13) of the contact frame and its spring legs contact thrust blocks on the contact frame. Some or all contact frame U-profile U-legs (15) have protrusions (16) that are deformed outwards to form thrust blocks for contact with the clamping edges of the spring legs. The clamping spring bridge engages the clamping sprin and has arms (20) fed outwards over the edges of the U-profile legs.

IPC 1-7

H01R 4/48; **H01R 9/24**

IPC 8 full level

H01R 4/48 (2006.01); **H01R 9/24** (2006.01)

CPC (source: EP US)

H01R 4/4821 (2023.08 - EP US); **H01R 4/485** (2023.08 - EP US); **H01R 9/24** (2013.01 - EP); **H01R 4/4842** (2023.08 - EP US)

Citation (examination)

- DE 7902093 U1 19790705
- DE 2258156 A1 19740530 - WAGO KONTAKTTECHNIK GMBH
- DE 1898970 U 19640820 - WAGO KLEMMENWERK G M B H [DE]
- AT 378628 B 19850910 - ELECTRO TERMINAL GMBH [AT]

Cited by

WO2012083320A1; EP1322002A3; EP1322003A3; FR3005213A1; EP1322004A3; EP2500982A1; CN102882024A; DE102014205299A1; US8262405B1

Designated contracting state (EPC)

AT ES FI FR GB IT NL SE

DOCDB simple family (publication)

EP 1045475 A2 20001018; **EP 1045475 A3 20010404**; **EP 1045475 B1 20020619**; AT E219606 T1 20020715; DE 19917142 C1 20010111; ES 2177490 T3 20021216

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