

Title (en)
Electric connecting terminal

Title (de)
Elektrische Anschluss- oder Verbindungsklemme

Title (fr)
Borne de raccordement électrique

Publication
EP 1638169 A3 20070221 (DE)

Application
EP 05018678 A 20050829

Priority
DE 102004045025 A 20040915

Abstract (en)
[origin: US2006063419A1] An electrical supply or connecting terminal with a clamping spring and a metal part, the clamping spring having a clamping leg and a contact leg, and the metal part having a conductor bar piece. The clamping leg and the conductor bar piece form a spring force clamp connection for the electrical conductor. The contact leg of the clamping spring has a recess for insertion of the electrical conductor, and an end of the clamping leg extends through the recess. The clamping spring has a retaining section which runs essentially parallel to the insertion direction of the electrical conductor and parallel to the conductor bar piece and the conductor bar piece has been inserted through the recess in a direction opposite the insertion direction of the electrical conductor, the conductor bar piece being clamped securely between the end of the clamping leg and the retaining section.

IPC 8 full level
H01R 4/48 (2006.01)

CPC (source: EP US)
H01R 4/4821 (2023.08 - EP); **H01R 4/48275** (2023.08 - US); **H01R 4/4846** (2023.08 - EP); **H01R 4/4842** (2023.08 - EP);
H01R 13/112 (2013.01 - EP)

Citation (search report)
• [A] DE 19802945 A1 19990729 - WAGO VERWALTUNGS GMBH [DE]
• [A] DE 10034589 A1 20020131 - PHOENIX CONTACT GMBH & CO [DE]
• [PA] DE 20313855 U1 20050105 - WEIDMUELLER INTERFACE [DE]
• [A] DE 29919903 U1 20010329 - WEIDMUELLER INTERFACE [DE]
• [A] DE 19646103 C1 19980312 - PHOENIX CONTACT GMBH & CO [DE]
• [DA] DE 19817927 C1 19991028 - WAGO VERWALTUNGS GMBH [DE]

Cited by
EP3561962A1; EP3561961A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
US 2006063419 A1 20060323; US 7083463 B2 20060801; AT E398348 T1 20080715; CN 100499268 C 20090610; CN 1750326 A 20060322;
DE 102004045025 B3 20060216; DE 502005004380 D1 20080724; DK 1638169 T3 20081013; EP 1638169 A2 20060322;
EP 1638169 A3 20070221; EP 1638169 B1 20080611; JP 2006086126 A 20060330; JP 4728074 B2 20110720

DOCDB simple family (application)
US 22644105 A 20050915; AT 05018678 T 20050829; CN 200510113255 A 20050915; DE 102004045025 A 20040915;
DE 502005004380 T 20050829; DK 05018678 T 20050829; EP 05018678 A 20050829; JP 2005268947 A 20050915