

Title (en)  
Electrical connector or connecting terminal

Title (de)  
Elektrische Anschluss- oder Verbindungsklemme

Title (fr)  
Connecteur électrique ou borne de connexion

Publication  
**EP 1641078 A3 20070221 (DE)**

Application  
**EP 05018924 A 20050831**

Priority  
DE 102004046471 A 20040923

Abstract (en)  
[origin: US2006063420A1] An electrical supply or connecting terminal with a clamping spring and a metal part located in an insulating housing having a conductor inlet opening for an electrical conductor. The clamping spring has a clamping leg and a contact leg, and the clamping leg and the metal part form a spring force clamp connection for the electrical conductor. The contact leg of the clamping spring is arranged essentially perpendicular to the insertion direction of the electrical conductor and a recess is formed in the contact leg for insertion of the electrical conductor. The clamping leg and the contact leg of the clamping spring are bent toward one another with the end of the clamping leg extending through the recess. The metal part has at least one mounting section inserted through the recess of the clamping spring in a direction opposite the insertion direction of the electrical conductor.

IPC 8 full level  
**H01R 4/48** (2006.01); **H01R 12/55** (2011.01)

CPC (source: EP US)  
**H01R 4/48275** (2023.08 - EP US)

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

Cited by  
EP3504756B1

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 2006063420 A1 20060323; US 7238043 B2 20070703**; AT E515815 T1 20110715; CA 2520478 A1 20060323; CA 2520478 C 20101214; CN 100511840 C 20090708; CN 1753249 A 20060329; DE 102004046471 B3 20060209; DK 1641078 T3 20111003; EP 1641078 A2 20060329; EP 1641078 A3 20070221; EP 1641078 B1 20110706; ES 2369084 T3 20111125; JP 2006093149 A 20060406; JP 4739884 B2 20110803

DOCDB simple family (application)  
**US 23213005 A 20050922**; AT 05018924 T 20050831; CA 2520478 A 20050922; CN 200510106319 A 20050923; DE 102004046471 A 20040923; DK 05018924 T 20050831; EP 05018924 A 20050831; ES 05018924 T 20050831; JP 2005276634 A 20050922