

Title (en)
Spring loaded clamping connection terminal

Title (de)
Federbelastete Anschlussklemme

Title (fr)
Borne de connexion de serrage à ressort

Publication
EP 2947718 B1 20171213 (EN)

Application
EP 14305770 A 20140523

Priority
EP 14305770 A 20140523

Abstract (en)
[origin: EP2947718A1] The present invention concerns a spring clamping connection terminal comprising a housing or cage for receiving the bare end portion of an electrical conductor or wire and lodging at least one clamping arrangement which comprises a spring force loaded arm automatically movable between a retracted position and an extended position in which said arm is able to come into contact under elastic constraint with the end portion of an electrical wire, wherein said clamping arrangement (5) also comprises: means (8, 9) for locking said arm (6) in its retracted position, trigger means (10) able to release the spring loaded arm (6) activatable by the end portion of said wire or conductor, a contact part (11) on said trigger means (10), to be hit or pressed on by the bare end portion, connection terminal (1) characterized in that said trigger means (10) is located and arranged after or beyond the arm (6) and the anchoring site (9), in the direction (D) of insertion of the wire or conductor, and consists of a lever arm extending in said direction (D), the contact part (11) consisting of a free end portion of said lever arm (10).

IPC 8 full level
H01R 4/48 (2006.01)

CPC (source: EP)
H01R 4/48365 (2023.08)

Cited by
CN111064019A; CN105914486A; CN109216953A; CN106652743A; DE202020100089U1; EP3849018A1; AT15515U1; CN109328418A; CN108591976A; DE102019132316A1; DE102018109545A1; DE102019128819A1; CN113316869A; CN113711445A; CN114824848A; US11462847B2; DE202019105075U1; DE202020100088U1; EP3849019A1; WO2021105280A1; WO2017214651A1; US11881670B2; US11509074B2; DE102016112321A1; WO2018007391A1; WO2020212121A1; WO2019174982A1; WO2020212120A1; WO2021258043A1; US11387580B2; US11552413B2; US11916345B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2947718 A1 20151125; EP 2947718 B1 20171213; DK 2947718 T3 20180319; ES 2662873 T3 20180410; PL 2947718 T3 20180629; PT 2947718 T 20180313

DOCDB simple family (application)
EP 14305770 A 20140523; DK 14305770 T 20140523; ES 14305770 T 20140523; PL 14305770 T 20140523; PT 14305770 T 20140523