

Title (en)
SPRING TERMINAL FOR CONDUCTOR

Title (de)
FEDERKRAFTKLEMME FÜR LEITER

Title (fr)
BORNE À RESSORT DESTINÉE À UN CONDUCTEUR

Publication
EP 3963673 A1 20220309 (DE)

Application
EP 20721537 A 20200423

Priority
• DE 102019111453 A 20190503
• EP 2020061350 W 20200423

Abstract (en)
[origin: WO2020224979A1] The invention relates to a spring terminal (1), in particular a direct plug-in terminal, for connecting a conductor (10) which can be designed as a flexible stranded conductor, having at least the following features: a. a housing (3) with a chamber (4) and an insertion channel (5) for inserting the conductor into the chamber (4), b. a busbar (8) and/or a clamping cage (13), and c. a clamping spring (7) which is arranged in the chamber (4), acts as a pressure spring, and comprises a clamping limb, said clamping limb (7b) being releasable out of the latching state (R) by a pusher, d. wherein the pusher (11) has a latching edge (11h) on which the pusher can be latched in the interior of the housing (3) on a latching hook (81) of the busbar (8) or another element arranged in the housing in the latching state (R), and the pusher correspondingly holds the clamping spring (7) in a latched manner in the open position. The latching edge (11h) of the pusher (11) can be released out of the latching state (R) by an opposite movement.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 9/26** (2006.01)

CPC (source: EP US)
H01R 4/4833 (2023.08 - EP); **H01R 4/4835** (2023.08 - EP); **H01R 4/48365** (2023.08 - US); **H01R 4/48455** (2023.08 - US);
H01R 9/26 (2013.01 - US); **H01R 4/4821** (2023.08 - EP); **H01R 9/26** (2013.01 - EP)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102019111453 A1 20201105; CN 113785443 A 20211210; EP 3963673 A1 20220309; EP 3963673 B1 20240612;
US 12021339 B2 20240625; US 2022190493 A1 20220616; WO 2020224979 A1 20201112

DOCDB simple family (application)
DE 102019111453 A 20190503; CN 202080032913 A 20200423; EP 2020061350 W 20200423; EP 20721537 A 20200423;
US 202017594556 A 20200423