

Title (en)
SPRING CLIP

Title (de)
FEDERKLEMME

Title (fr)
BORNE À RESSORT

Publication
EP 3284139 A1 20180221 (DE)

Application
EP 16715586 A 20160413

Priority
• DE 102015105757 A 20150415
• EP 2016058073 W 20160413

Abstract (en)
[origin: WO2016166132A1] The invention relates to a spring clip having a connection spring element for direct clamping of a conductor (7) to a current bar having a clamp wall (41, 61) and having an abutment (42, 62), wherein the connection spring element is formed integrally having two loop clamp springs (21, 22) and a partition wall limb (32), which separates the two loop clamp springs (21, 22) from each other in order to form compartments (210, 220) for feeding conductors (8). Each loop clamp spring (21, 22) has a contact limb (11) which presses an inserted, uninsulated conductor end (81) against the clamp wall (41, 61) of the current bar, thus establishing contact to the clamp wall.

IPC 8 full level
H01R 4/18 (2006.01); **H01R 4/36** (2006.01)

CPC (source: CN EP US)
H01R 4/18 (2013.01 - CN); **H01R 4/363** (2013.01 - CN); **H01R 4/4821** (2023.08 - CN EP US); **H01R 4/485** (2023.08 - CN EP US);
H01R 9/26 (2013.01 - CN); **H01R 4/4833** (2023.08 - CN EP US)

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 102015105757 A1 20161020; CN 107438920 A 20171205; CN 107438920 B 20191115; EP 3284139 A1 20180221;
EP 3284139 B1 20200722; ES 2818150 T3 20210409; WO 2016166132 A1 20161020

DOCDB simple family (application)
DE 102015105757 A 20150415; CN 201680021599 A 20160413; EP 16715586 A 20160413; EP 2016058073 W 20160413;
ES 16715586 T 20160413