

Title (en)
SPRING-CAGE CONNECTION TERMINAL

Title (de)
FEDERKRAFTANSCHLUSSKLEMME

Title (fr)
BORNE DE RACCORDEMENT À RESSORT

Publication
EP 3042419 B1 20180404 (DE)

Application
EP 14765889 A 20140901

Priority
• DE 102013109640 A 20130904
• EP 2014068502 W 20140901

Abstract (en)
[origin: WO2015032718A1] What is described is: a spring-loaded connection terminal (3) comprising a busbar piece (5) which has a base surface (6) and side walls (7) emerging laterally from the base surface (6). Mutually opposite side walls (7) delimit a receiving area (35) on both sides. The spring-loaded connection terminal (3) has a terminal arrangement for the terminal connection of an electrical conductor at an associated clamping point with at least one clamping spring (8), which is operatively connected to the busbar piece (5). At least one current bar (25, 25a, 25b) which is separate from the busbar piece (5) is introduced into the receiving area (35) of the busbar piece (5) and arranged in the receiving area (35) so as to form a clamping surface for the terminal connection of an electrical conductor.

IPC 8 full level
H01R 9/26 (2006.01); **H01R 4/40** (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP US)
H01R 4/40 (2013.01 - EP US); **H01R 4/4863** (2013.01 - EP US); **H01R 9/26** (2013.01 - EP US); **H01R 9/2608** (2013.01 - 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

DOCDB simple family (publication)
DE 102013109640 A1 20150305; DE 102013109640 B4 20180524; CN 105580209 A 20160511; CN 110391507 A 20191029;
EP 3042419 A1 20160713; EP 3042419 B1 20180404; JP 2016529678 A 20160923; JP 6423437 B2 20181114; US 2016226160 A1 20160804;
US 9601844 B2 20170321; WO 2015032718 A1 20150312

DOCDB simple family (application)
DE 102013109640 A 20130904; CN 201480049017 A 20140901; CN 201910681618 A 20140901; EP 14765889 A 20140901;
EP 2014068502 W 20140901; JP 2016539491 A 20140901; US 201414916856 A 20140901