

Title (en)  
SPRING TERMINAL CLAMP

Title (de)  
FEDERANSCHLUSSKLEMME

Title (fr)  
BORNE DE RACCORDEMENT À RESSORT

Publication  
**EP 3664223 B1 20221102 (DE)**

Application  
**EP 19197583 A 20190916**

Priority  
DE 202018106896 U 20181204

Abstract (en)  
[origin: US2020176897A1] A spring terminal for connection of an electrical conductor including a bus bar, a clamping spring; a housing; and a lever. The bus bar and the clamping spring and the lever are accommodated at least partially in the housing. The lever has a first support disk with a first partially circular outer contour for supporting the lever in a first bearing shell. The lever has a second support disk with a second partially circular outer contour for supporting the lever in a second bearing shell. The second support disk is spaced apart from the first support disk. The lever has an operating handle that is connected to the first support disk and to the second support disk. The clamping spring has a clamping leg that forms a clamping point with the bus bar for clamping the electrical conductor to the bus bar.

IPC 8 full level  
**H01R 4/48** (2006.01); **H01R 9/24** (2006.01); **H01R 13/11** (2006.01); **H01R 13/506** (2006.01)

CPC (source: CN EP US)  
**H01R 4/4821** (2023.08 - CN EP); **H01R 4/48275** (2023.08 - US); **H01R 4/483** (2023.08 - CN EP); **H01R 4/48365** (2023.08 - US); **H01R 4/48455** (2023.08 - US); **H01R 13/187** (2013.01 - US); **H01R 13/424** (2013.01 - US); **H01R 13/5213** (2013.01 - US); **H01R 4/4835** (2023.08 - CN EP); **H01R 4/4846** (2023.08 - CN EP); **H01R 4/4852** (2023.08 - CN EP); **H01R 9/2491** (2013.01 - EP); **H01R 13/111** (2013.01 - EP); **H01R 13/112** (2013.01 - EP); **H01R 13/506** (2013.01 - EP)

Citation (opposition)  
Opponent : PHOENIX CONTACT GmbH & Co. KG  
• DE 102014119421 A1 20160623 - WAGO VERWALTUNGS GMBH [DE]  
• DE 202017107800 U1 20180817 - ELECTRO TERMINAL GMBH & CO KG [AT]  
• CN 204905564 U 20151223 - UTL ELECTRICAL CO LTD  
• DE 102013101409 A1 20140814 - WAGO VERWALTUNGS GMBH [DE]  
• DE 102013101406 A1 20140814 - WAGO VERWALTUNGS GMBH [DE]  
• DE 102015119247 A1 20170511 - WAGO VERWALTUNGS GMBH [DE]  
• WO 2018192752 A1 20181025 - PHOENIX CONTACT GMBH & CO [DE]  
• DE 102016118331 A1 20180301 - WAGO VERWALTUNGS GMBH [DE]  
• JP 2017091729 A 20170525 - YOKOYAMA DENKI CO LTD, et al  
• WO 2015128407 A1 20150903 - WAGO VERWALTUNGS GMBH [DE]  
• EP 2605335 A2 20130619 - WAGO VERWALTUNGS GMBH [DE]

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 202018106896 U1 20200305**; CN 111276827 A 20200612; CN 111276827 B 20240621; DE 102019125212 A1 20200604; EP 3664223 A1 20200610; EP 3664223 B1 20221102; PL 3664223 T3 20230306; US 11043759 B2 20210622; US 2020176897 A1 20200604

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