

Title (en)

ROW OF RELEASABLE CONNECTORS FOR JUNCTION BLOCK

Title (de)

REIHE VON STECKVERBINDERN FÜR ANSCHLUSSBLOCK

Title (fr)

RANGÉE DE CONNECTEURS DÉBROCHABLES POUR BLOC DE JONCTION

Publication

EP 3076486 B1 20200422 (FR)

Application

EP 15161720 A 20150330

Priority

EP 15161720 A 20150330

Abstract (en)

[origin: CN106025662A] The invention relates to detachable connectors (5, 5a, 5b) for terminal blocks and a row of the detachable connector. The detachable connectors (5, 5a, 5b) are arranged to cooperate with at least one other detachable connector (5, 5a, 5b) for forming a row (25) of detachable connectors (5, 5a, 5b) extending in an extension direction of a longitudinal direction (29) of the row (25). The detachable connector (5) comprises an electrical connection assembly (7); an insulating body (13) having a cavity (15) in which is disposed the connecting assembly (7); a first cooperation arrangement (31a, 31b) comprising at least one projection (45) or comprising at least a hook (35) for a detachable closure element (27) of an opening (17); a second cooperation arrangement (33) comprising at least one depression (43) arranged to cooperate with the at least one projection (45) of another detachable connector (5, 5a, 5b).

IPC 8 full level

H01R 9/24 (2006.01); **H01R 31/06** (2006.01); **H01R 4/24** (2018.01); **H01R 4/48** (2006.01); **H01R 9/26** (2006.01); **H01R 13/506** (2006.01); **H01R 101/00** (2006.01)

CPC (source: CN EP US)

H01R 4/484 (2023.08 - CN EP US); **H01R 9/2408** (2013.01 - EP); **H01R 13/502** (2013.01 - CN); **H01R 13/506** (2013.01 - EP); **H01R 4/4821** (2023.08 - CN EP US); **H01R 9/26** (2013.01 - EP); **H01R 2101/00** (2013.01 - EP)

Citation (examination)

DE 19506859 A1 19960822 - WAGO VERWALTUNGS GMBH [DE]

Citation (opposition)

Opponent : PHOENIX CONTACT GmbH & Co. KG.

- WO 2014161847 A1 20141009 - WEIDMUELLER INTERFACE GMBH & CO KG [DE]
- DE 19506859 A1 19960822 - WAGO VERWALTUNGS GMBH [DE]
- DE 102006003064 A1 20070809 - PHOENIX CONTACT GMBH & CO [DE]
- DE 102006019160 A1 20071025 - PHOENIX CONTACT GMBH & CO [DE]
- DE 102011115637 A1 20121227 - PHOENIX CONTACT GMBH & CO [DE]
- WO 2007025745 A1 20070308 - PHOENIX CONTACT GMBH & CO [DE], et al
- WO 2006120150 A1 20061116 - ABB SERVICE SRL [IT], et al

Cited by

CN112514170A; EP3671963A1

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 3076486 A1 20161005; EP 3076486 B1 20200422; CN 106025662 A 20161012; CN 106025662 B 20210316

DOCDB simple family (application)

EP 15161720 A 20150330; CN 201610195262 A 20160330