

Title (en)  
JUNCTION BOX

Title (de)  
ANSCHLUSSDOSE

Title (fr)  
BOÎTE DE DÉRIVATION

Publication  
**EP 3923417 C0 20240417 (DE)**

Application  
**EP 20178758 A 20200608**

Priority  
EP 20178758 A 20200608

Abstract (en)  
[origin: US2021384655A1] Junction box for connecting a multi-wire flat cable to several terminals of a connection. The junction box comprises a support surface for a multi-wire flat cable to be contacted, and several contact blades for contacting the cable on one side without stripping the insulation. In addition, the junction box comprises several terminals, and several terminal rails adjoining the terminals, wherein each terminal rail has at least one hole, wherein a contact pin is inserted through a respective hole in a terminal rail. In each case, a contact pin is provided for a wire-to-terminal contact. The assignment of contact pins to the holes in the terminal rails defines which wire of the flat cable is connected to which terminal. An electrical contact is established between contact blades and terminal rails via one or more contact pins.

IPC 8 full level  
**H01R 9/03** (2006.01); **H01R 12/61** (2011.01); **H01R 12/67** (2011.01); **H01R 12/88** (2011.01); **H01R 13/506** (2006.01)

CPC (source: EP US)  
**H01R 9/031** (2013.01 - EP); **H01R 12/616** (2013.01 - EP); **H01R 12/67** (2013.01 - EP US); **H01R 12/81** (2013.01 - US); **H01R 4/2406** (2018.01 - EP); **H01R 12/88** (2013.01 - EP); **H01R 13/506** (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

Participating member state (EPC – UP)  
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)  
**EP 3923417 A1 20211215**; **EP 3923417 B1 20240417**; **EP 3923417 C0 20240417**; US 11575221 B2 20230207; US 2021384655 A1 20211209

DOCDB simple family (application)  
**EP 20178758 A 20200608**; US 202117331288 A 20210526