

Title (en)

COUPLING DEVICE FOR MEDIUM-CONDUCTING LINES

Title (de)

KUPPLUNGSVORRICHTUNG FÜR MEDIENFÜHRENDE LEITUNGEN

Title (fr)

SYSTÈME DE RACCORDEMENT POUR CONDUITES ACHEMINANT UN FLUIDE

Publication

EP 3542091 A1 20190925 (DE)

Application

EP 17804127 A 20171114

Priority

- DE 102016013752 A 20161118
- EP 2017079230 W 20171114

Abstract (en)

[origin: US2018142823A1] A coupling device for connecting media-conducting lines has a one-part or multi-part first coupling section and a one-part or multi-part second coupling section. At least one locking element is fastened with at least one connecting section to the first coupling section and is provided with one or more locking arc sections extending in a circumferential direction between the first and second coupling sections. The second coupling section has a locking section extending circumferentially at least partially about a circumference of the second coupling section. At least one of the one or more locking arc sections interacts with the locking section.

IPC 8 full level

F16L 37/088 (2006.01); **F16L 37/14** (2006.01)

CPC (source: CN EP US)

F16L 37/0885 (2019.08 - EP US); **F16L 37/12** (2013.01 - CN); **F16L 37/123** (2013.01 - US); **F16L 37/144** (2013.01 - EP US)

Citation (examination)

- US 5683117 A 19971104 - CORBETT CHRISTOPHER H [US], et al
- DE 2444993 A1 19760401 - VOSS ARMATUREN
- See also references of WO 2018091478A1

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)

US 11125371 B2 20210921; **US 2018142823 A1 20180524**; CN 108071886 A 20180525; CN 108071886 B 20220726; CN 109964072 A 20190702; CN 109964072 B 20210709; DE 102016013752 A1 20180524; DE 112017005830 A5 20190808; EP 3542091 A1 20190925; FR 3059076 A1 20180525; FR 3059076 B1 20220107; US 11680670 B2 20230620; US 2019271425 A1 20190905; WO 2018091478 A1 20180524

DOCDB simple family (application)

US 201715815220 A 20171116; CN 201711156207 A 20171120; CN 201780071293 A 20171114; DE 102016013752 A 20161118; DE 112017005830 T 20171114; EP 17804127 A 20171114; EP 2017079230 W 20171114; FR 1760771 A 20171116; US 201916415546 A 20190517