

Title (en)  
PLUG CONNECTOR

Title (de)  
STECKVERBINDER

Title (fr)  
CONNECTEUR ENFICHABLE

Publication  
**EP 3991252 A1 20220504 (DE)**

Application  
**EP 20733768 A 20200618**

Priority  
• DE 102019209235 A 20190626  
• EP 2020066883 W 20200618

Abstract (en)  
[origin: WO2020260117A1] The invention relates to plug connector (1) for connecting to a mating plug connector (60) in an insertion direction (E). The plug connector (1) has a housing (2) with an interior (3) and a contact element (20) arranged in the interior (3). The plug connector (1) also has a connector position assurance (CPA, 4). The housing (2) has a pressure equalisation element (5) for pressure equalisation of the interior (3) relative to an exterior (6) of the housing (2). The CPA (4) is arranged on the housing (2) and is movable between a first position (P1) and a second position (P2) relative to the housing (2), wherein a sealing element (30) is provided on the CPA (4), wherein the pressure equalisation element (5) in the second position is sealed by the sealing element (30) with respect to the exterior (6).

IPC 8 full level  
**H01R 13/641** (2006.01); **H01R 13/52** (2006.01)

CPC (source: CN EP KR US)  
**H01R 13/40** (2013.01 - CN); **H01R 13/502** (2013.01 - CN); **H01R 13/5202** (2013.01 - CN KR US); **H01R 13/5213** (2013.01 - EP KR); **H01R 13/5219** (2013.01 - KR); **H01R 13/641** (2013.01 - EP KR US); **H01R 24/00** (2013.01 - CN); **H01R 13/5202** (2013.01 - EP); **H01R 13/5219** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2020260117A1

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)  
**DE 102019209235 A1 20201231**; CN 114258615 A 20220329; EP 3991252 A1 20220504; JP 2022538141 A 20220831; JP 7230246 B2 20230228; KR 20220019057 A 20220215; US 2022368065 A1 20221117; WO 2020260117 A1 20201230

DOCDB simple family (application)  
**DE 102019209235 A 20190626**; CN 202080060449 A 20200618; EP 2020066883 W 20200618; EP 20733768 A 20200618; JP 2021576954 A 20200618; KR 20227001510 A 20200618; US 202017621012 A 20200618