

Title (en)
BIPOLAR CONNECTOR SYSTEM

Title (de)
BIPOLARES VERBINDERSYSTEM

Title (fr)
SYSTÈME DE CONNECTEUR BIPOLAIRE

Publication
EP 4300720 A1 20240103 (EN)

Application
EP 22181513 A 20220628

Priority
EP 22181513 A 20220628

Abstract (en)
[origin: WO2024002981A1] Bipolar conductor connector system (1) for Single Pair Ethernet applications comprising a fixed connector (100) with a housing (101) and electrical contact elements (102) and a free plug connector (105) with electrical contacts (104) configured for attachment to a Single Pair cable. The bipolar conductor connector system (1) further comprises key means (103) configured for an unambiguous plug-in of the free plug connector (105) in the fixed connector (100) in a predetermined orientation.

IPC 8 full level
H01R 13/64 (2006.01); **H01R 13/514** (2006.01); **H01R 13/631** (2006.01); **H01R 13/627** (2006.01)

CPC (source: EP)
H01R 13/514 (2013.01); **H01R 13/631** (2013.01); **H01R 13/64** (2013.01); **H01R 13/6272** (2013.01); **H01R 13/645** (2013.01); **H01R 2103/00** (2013.01); **H01R 2201/04** (2013.01)

Citation (applicant)
EP 2649686 A1 20131016 - BKS ENGINEERING AG [CH]

Citation (search report)
• [X] WO 2020190758 A1 20200924 - COMMScope TECHNOLOGIES LLC [US]
• [X] WO 2021067274 A1 20210408 - COMMScope TECHNOLOGIES LLC [US]
• [X] DE 102020106162 A1 20210909 - REICHLE & DE MASSARI FA [CH]
• [X] US 2006246780 A1 20061102 - BERT LINDA E [US], et al
• [X] US 2022094092 A1 20220324 - MINCEY JACKIE [US]
• [X] EP 0809331 A1 19971126 - BKS KABEL SERVICE AG [CH]
• [A] US 2016218460 A1 20160728 - ZEBHAUSER MARTIN [DE], et al

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 22181513 A 20220628; EP 2023067346 W 20230626