

Title (en)  
ELECTRICAL CONNECTOR WITH A SLIDER

Title (de)  
ELEKTRISCHER VERBINDER MIT SCHIEBER

Title (fr)  
CONNECTEUR ÉLECTRIQUE AVEC ORGANE COULISSANT

Publication  
**EP 3252881 A1 20171206 (EN)**

Application  
**EP 16172492 A 20160601**

Priority  
EP 16172492 A 20160601

Abstract (en)  
The present invention relates to an electrical connector (1) comprising: a connector housing (10) with a mate-assist slider (30), where the mate-assist slider (30) is arranged movable along guide portions of the connector housing (10), and a mate-assist lever (50), adapted to interact with the mate-assist slider (30). The mate-assist lever (50) is rotatably mountable on the connector housing (10) to facilitate the mating procedure with a corresponding counter connector (3). The outer surface of the mate-assist slider (30) is provided with a stopping member (32) that is arranged to engage a corresponding stopping portion (14) of the connector housing (10) when the mate-assist slider (30) is disposed along the guide portions (12) and blocking further movement of the mate-assist slider (30) in at least one direction. Further, the mate-assist lever (50) comprises release means (60) that are adapted to release the stopping member (32) when the mate-assist lever (50) is mounted at a first position on the connector housing (10).

IPC 8 full level  
**H01R 13/629** (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP)  
**H01R 13/62977** (2013.01); **H01R 13/64** (2013.01)

Citation (applicant)  
• WO 2006101816 A1 20060928 - TYCO ELECTRONICS CORP [US], et al  
• WO 2010076592 A1 20100708 - FRAMATOME CONNECTORS INT [FR], et al  
• EP 0273999 A2 19880713 - AMP INC [US]  
• EP 0933836 A2 19990804 - WHITAKER CORP [US]

Citation (search report)  
• [XYI] DE 10250415 A1 20030605 - SUMITOMO WIRING SYSTEMS [JP]  
• [YD] EP 0273999 A2 19880713 - AMP INC [US]  
• [A] US 2006040533 A1 20060223 - KOSHY VIJY [US], et al  
• [A] US 2014322942 A1 20141030 - KURODA SHINYA [JP]  
• [A] WO 02078126 A2 20021003 - FRAMATOME CONNECTORS INC [FR], 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

DOCDB simple family (publication)  
**EP 3252881 A1 20171206**; WO 2017207506 A1 20171207

DOCDB simple family (application)  
**EP 16172492 A 20160601**; EP 2017062931 W 20170529