

Title (en)  
CONNECTOR

Title (de)  
VERBINDER

Title (fr)  
CONNECTEUR

Publication  
**EP 4280390 A1 20231122 (EN)**

Application  
**EP 22173666 A 20220517**

Priority  
EP 22173666 A 20220517

Abstract (en)  
A connector includes a first terminal and a second terminal. A spacer plate is arranged inside the first terminal. A plurality of guide flanges is arranged on the spacer plate. A plurality of first sleeves is mounted on the spacer plate. Two plug inserts are provided and separated by the spacer plate. Two plug insert sockets are arranged inside the second terminal. Each of the plug insert sockets is provided with a second sleeve. A guide groove which the spacer plate is able to be mounted in is arranged between the two plug insert sockets. Furthermore, a plurality of guide concave edges which are to be matched with the guide flanges is arranged in the guide groove. The guide groove is provided with a plurality of insertion pins. By assembling, the first terminal is to be inserted into the second terminal in such a way that the guide flanges and the guide concave edges match each other, which guides the two terminals to get combined. Furthermore, the plug inserts and the insertion pins are inserted into the first sleeves and the second sleeves respectively, which strengthens the structure of the connector. Thus, the parts of the connector can be positioned well and the structure of the connector can be greatly strengthened.

IPC 8 full level  
**H01R 13/533** (2006.01); **H01R 13/631** (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP)  
**H01R 13/533** (2013.01); **H01R 13/631** (2013.01); **H01R 13/5219** (2013.01)

Citation (search report)  
• [XYI] US 2022069508 A1 20220303 - HASHIMOTO YUKI [JP], et al  
• [YA] US 2021057846 A1 20210225 - LAI AUSTIN [TW], et al  
• [A] US 2008026639 A1 20080131 - SARDI MARCO [IT], 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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