

Title (en)  
CONNECTOR

Title (de)  
VERBINDER

Title (fr)  
CONNECTEUR

Publication  
**EP 3128616 A1 20170208 (EN)**

Application  
**EP 16182809 A 20160804**

Priority  
CN 201520578154 U 20150804

Abstract (en)  
A connector includes: a base formed with slot; a conductive terminal held in the base, an upper portion of the conductive terminal being received in the slot of the base; an elastic clip each received in the slot of the base and mounted on the upper portion of the conductive terminal, each elastic clip being formed with an arc protrusion protruding outwardly; and a driving member each adapted to be inserted into the slot of the base to drive the elastic clip to move between a first position and a second position, each driving member being formed with a first recess and a second recess located above the first recess. When the arc protrusion is engaged with the first recess, the elastic clip is held in the first position, where an insertion space is defined between the elastic clip and the conductive terminal to receive a wire inserted therein; and when the arc protrusion is engaged with the second recess, the elastic clip is held in the second position, where the wire inserted into the insertion space is clamped between the elastic clip and the conductive terminal by the elastic clip. The electrical connection between the wire and the conductive terminal of the connector may be achieved only by inserting the driving member into the slot of the base, without requiring any other additional tools, improving wiring efficiency of the connector.

IPC 8 full level  
**H01R 4/48** (2006.01); **H01R 9/24** (2006.01)

CPC (source: EP)  
**H01R 4/48365** (2023.08); **H01R 4/48455** (2023.08); **H01R 9/2491** (2013.01)

Citation (search report)  
• [XY] US 2004152355 A1 20040805 - RUDY WILLIAM J [US]  
• [Y] US 2014141657 A1 20140522 - GERMANI EMILIO [IT]  
• [A] DE 102007009082 A1 20070906 - ILME SPA [IT]

Cited by  
BE1026787B1; DE102019124740A1; US11699878B2; WO2020099552A1; WO2022097087A1; US11764495B2; WO2020164664A1

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 3128616 A1 20170208**; **EP 3128616 B1 20190925**; CN 204947117 U 20160106

DOCDB simple family (application)  
**EP 16182809 A 20160804**; CN 201520578154 U 20150804