

Title (en)
PLUG-IN WATERPROOF WIRE CONNECTOR

Title (de)
WASSERDICHTER STECKBARER DRAHTVERBINDER

Title (fr)
CONNECTEUR DE CÂBLE ÉTANCHE ENFICHABLE

Publication
EP 3188318 A3 20171108 (EN)

Application
EP 16189984 A 20160921

Priority
CN 201610537903 A 20160706

Abstract (en)
[origin: EP3188318A2] The disclosure relates to a plug-in waterproof wire connector, including: a sealing cap, a sealing ring, a connection cap, a cap plate, a conductive assembly, a fixed sleeve and a fixed cap, wherein the sealing cap has a first through hole for a wire to pass through, the fixed cap has a second through hole for a wire to pass through, the connection cap has a cavity with an opening arranged at both ends, the sealing ring is arranged at the first opening of the connection cap, the sealing cap is sealed and fastened with one end of the connection cap corresponding to the first opening, the cap plate is matched with the conductive assembly, the conductive assembly is located in the fixed sleeve, the cap plate is fastened with the fixed sleeve, the first end of the fixed sleeve has a third through hole directly facing the conductive assembly, the other end of the connection cap is sealed and fastened with the first end of the fixed sleeve, and the second end of the fixed sleeve is sealed and fixed with the fixed cap. This wire connector not only can realize rapid insertion and fixing of wires, but also can realize dustproof and waterproof wiring.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 13/52** (2006.01); **H01R 13/622** (2006.01); **H01R 11/09** (2006.01)

CPC (source: CN EP)
F21V 23/06 (2013.01 - CN); **H01R 4/484** (2023.08 - CN EP); **H01R 11/01** (2013.01 - CN); **H01R 11/03** (2013.01 - CN);
H01R 13/5205 (2013.01 - EP); **H01R 13/622** (2013.01 - EP); **H01R 4/4821** (2023.08 - CN EP); **H01R 11/09** (2013.01 - EP)

Citation (search report)
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• [Y] US 2009163086 A1 20090625 - JANULIS EUGENE P [US], et al
• [A] US 7070463 B2 20060704 - ARAI ATSUSHI [JP], et al

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CN115579685A; CN112952456A; CN114361853A; CN107684509A; CN107684508A; CN107582350A; CN107582349A

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)
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EP 16189984 A 20160921; CN 201610537903 A 20160706