

Title (en)

ELECTRICAL CABLE DEVICE WITH WATERPROOF STRUCTURE

Title (de)

ELEKTRISCHE KABELVORRICHTUNG MIT WASSERDICHTER STRUKTUR

Title (fr)

DISPOSITIF DE CÂBLE ÉLECTRIQUE DOTÉ D'UNE STRUCTURE ÉTANCHE

Publication

EP 3671971 A1 20200624 (EN)

Application

EP 19167007 A 20190403

Priority

TW 107146496 A 20181221

Abstract (en)

The present invention is an electrical cable device with waterproof structure, comprising: power module, mounted with the connection port and the first rubber ring, wherein the first longitudinal arm and the second longitudinal arm are located at the connection port; connection cable, comprising with connection cable shell; and, connection head, mounted at the front end of connection cable shell, wherein the surface in the front end of connection cable shell having second rubber ring, the leak-tightness is improved by the power module electrical coupling with connection cable through fixing the electrical cable device via pressing and squeezing the second rubber ring and the first rubber ring.

IPC 8 full level

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CPC (source: CN EP)

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Citation (applicant)

EP 1059698 A2 20001213 - YAZAKI CORP [JP]

Citation (search report)

- [I] WO 2016071218 A1 20160512 - BSH HAUSGERAETE GMBH [DE], et al
- [A] CN 207782001 U 20180828 - APD GROUP YANG MING IND INC
- [A] US 2018212357 A1 20180726 - KAO KUANG-YI [TW], et al
- [A] US 2018366877 A1 20181220 - GASSNER CHRISTIAN [CN]
- [A] US 2017244194 A1 20170824 - ARMSTRONG PETER S [US], et al

Cited by

WO2022058266A1

Designated contracting state (EPC)

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