

Title (en)

Rotary coupling for a multiconductor cable.

Title (de)

Drehkupplung für Mehrleiterkabel.

Title (fr)

Accouplement rotatif pour un câble à plusieurs conducteurs.

Publication

EP 0131105 A1 19850116 (DE)

Application

EP 84105174 A 19840508

Priority

DE 3318057 A 19830518

Abstract (en)

1. A rotating joint for multiconductor cables, consisting of a coupling sleeve (10) containing the conductor connections at the appliance side and a substantially axially symmetrical connecting piece (15) which is rotatably mounted on the coupling sleeve and receives the end (2) of the cable and its conductor connections through a kink preventing socket (1), slip rings (6, 7) of different diameters and contact springs (5, 12) bearing against these being provided in an axially staggered arrangement to make contact with the conductors at the appliance side and at the cable side, characterised in that the connecting piece (15) is entirely inserted axially in the coupling sleeve (10) and detachably secured therein and is rotatably mounted in the coupling sleeve (10) at its two axial ends by means of bearing elements (4, 18, 11, 16), the slip rings (6, 7) being disposed on the connecting piece (15) and the contact springs (5, 12) being disposed on the coupling sleeve (10), each axially between the bearing elements (4, 18, 11, 16).

Abstract (de)

Drehkupplung für Mehrleiterkabel (2), bestehend aus einer die geräteseitigen Leiteranschlüsse enthaltenden Kupplungshülse (10) und einem an dieser drehbar gelagerten, das Kabelende (2) und dessen Leiteranschlüsse über eine Knickschutztülle aufnehmenden im wesentlichen rotationssymmetrischen Anschlußstück (15), wobei zur Kontaktierung der geräteseitigen und der kabelseitigen Leiter Schleifringe (6, 7) unterschiedlichen Durchmessers und an diesen anliegende Kontaktfedern (5, 12) in axial versetzter Anordnung vorgesehen sind.

IPC 1-7

H01R 39/64

IPC 8 full level

H01R 39/64 (2006.01)

CPC (source: EP)

H01R 39/64 (2013.01)

Citation (search report)

- [A] GB 1050644 A
- [A] CH 335537 A 19590115 - COMP GENERALE ELECTRICITE [FR]
- [A] DE 2630450 A1 19770203 - FACO SA [BE]
- [A] DE 2836410 A1 19800320 - BRAUN AG
- [AD] DE 2813139 A1 19790927 - ROWENTA WERKE GMBH

Cited by

GB2410844A

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

DE 3318057 A1 19841122; DE 3460550 D1 19861002; EP 0131105 A1 19850116; EP 0131105 B1 19860827

DOCDB simple family (application)

DE 3318057 A 19830518; DE 3460550 T 19840508; EP 84105174 A 19840508