

Title (en)

ENCAPSULATED NON-DISCONNECTABLE ELECTRICAL CONDUCTOR CONNECTION AND PROCESS FOR ITS MANUFACTURE

Publication

EP 0203253 A3 19871125 (DE)

Application

EP 86100761 A 19860121

Priority

DD 27655585 A 19850521

Abstract (en)

[origin: EP0203253A2] The invention relates to an encapsulated non-disconnectable electrical conductive connection in the field of electrical installation, telecommunications technology and electrical equipment and installation construction, using a connecting sleeve of dielectric material, and a process for its manufacture. The object of the invention is a corrosion-proof connection of electrical conductors, irrespective of the conductor material. A completely insulated encapsulation of the conductor connection is achieved with the invention. The contact resistance of the connection is low, its manufacture is simple and requires little time. The insulated conductors to be connected are fixed in a holder in a connecting sleeve of plastic, which is wholly or partially filled with a means of improving the contact. By rotating the connecting sleeve and fixing the conductor to the sleeve input the items are twisted, the means of improving the contact resulting in a reduction in the contact resistance. In the completed connection, the insulating sleeve exerts a contact pressure on the twisting, and the metallic conductors are encapsulated with respect to the external air.

IPC 1-7

H01R 4/22; H01R 4/70

IPC 8 full level

H01R 4/22 (2006.01); **H01R 4/70** (2006.01)

CPC (source: EP)

H01R 4/22 (2013.01); **H01R 4/70** (2013.01)

Citation (search report)

- [Y] DE 1213504 B 19660331 - DAVEY BICKFORD ETS, et al
- [Y] US 3550765 A 19701229 - ANDERSON JOHN W
- [A] US 3312929 A 19670404 - SHANNON SUEL G
- [A] DE 1935546 A1 19710114 - ROSE WALTER KG
- [A] US 1560316 A 19251103 - HARRY PRINCE

Cited by

US5446241A; US7086150B2; WO2005038990A1; WO9118430A1

Designated contracting state (EPC)

AT CH DE FR GB LI SE

DOCDB simple family (publication)

EP 0203253 A2 19861203; **EP 0203253 A3 19871125**; DD 237561 A1 19860716; HU 196272 B 19881028; HU T41562 A 19870428

DOCDB simple family (application)

EP 86100761 A 19860121; DD 27655585 A 19850521; HU 23186 A 19860116