

Title (en)
A high-voltage cable

Title (de)
Hochspannungskabel

Title (fr)
Câble à haute tension

Publication
EP 0802542 A3 19981021 (EN)

Application
EP 97104646 A 19970319

Priority
DK 32396 A 19960320

Abstract (en)
[origin: EP0802542A2] A high-voltage cable is consisting of an inner current conductor (1) and a number of outer layers (2 - 10) which mainly serve the purpose of insulating the conductor from the surroundings and protect the cable from mechanical damage, moisture and corrosion. The two outer layers (9, 10) of these layers form a mantle (8) with an inner insulating layer (9) and an outer, relatively thin semiconductor layer (10). For these two mantle layers (9, 10) there are used materials which easily can be distinguished from each other. When a cable end is to be mounted in a connecting box or an end box, and the semiconductor layer (10) therefore has to be removed along a piece in order to avoid a short-circuit, the semiconductor layer (10) can thereby quickly and securely be removed manually from the underlying insulation layer (9) even under difficult working conditions. The special construction of the mantle (8) is furthermore able to reveal if the cable has been damaged during the transportation and the handling. The semiconductor layer (10) can for example be black and the insulation layer (9) can have a correspondingly contrast colour to this, e.g. being red, yellow, green or white. The materials of the two layers (9, 10) can also have structures, which can be distinguished from each other.
<IMAGE>

IPC 1-7
H01B 9/02

IPC 8 full level
H01B 7/36 (2006.01)

CPC (source: EP)
H01B 7/361 (2013.01); **H01B 9/027** (2013.01)

Citation (search report)
• [A] EP 0365152 A1 19900425 - PIRELLI GENERAL PLC [GB]
• [A] FR 2112413 A1 19720616 - KABEL METALLWERKE GHH

Cited by
CN103098145A; GB2331854A; EP0890961A3; GB2331853A; GB2331856A; GB2331856B; GB2331852A; CN102063961A; EP2669901A1; US9064618B2; EP3054457A1; WO2023211351A1; WO2011149463A1; WO2021000499A1

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