

Title (en)
Electric cable

Title (de)
Elektrisches Kabel

Title (fr)
Câble électrique

Publication
EP 2224458 A2 20100901 (DE)

Application
EP 09015454 A 20091215

Priority
DE 102009006069 A 20090125

Abstract (en)
The cable (1) has a PTFE insulation enclosing an electrical conductor (2) and provided with inner and outer claddings (3, 4). The inner cladding is directly provided on the conductor and made of PTFE modified by thermoplastic polymer such as thermoplastic deformable fluoropolymer, polyphenyl sulfide, polyetherketone, polyetheretherketone, polyetherimide and polyethersulfone. The claddings have concentric mold bodies that are commonly extruded on the conductor. The conductor is provided with an external polymer coating. The mold bodies are provided with a central borehole. An independent claim is also included for a method for manufacturing an electrical cable.

Abstract (de)
Ein elektrisches Kabel (1) mit einer den Leiter (2) umschließenden Isolierung aus Polytetrafluorethylen weist zwei Einzelschichten (3;4) auf, von denen die unmittelbar auf dem Leiter (2) befindliche erste Schicht (3) aus einem durch ein thermoplastisches Polymer modifizierten Polytetrafluorethylen (PTFE) besteht.

IPC 8 full level
H01B 7/02 (2006.01); **H01B 3/44** (2006.01); **H01B 13/14** (2006.01)

CPC (source: EP)
H01B 3/445 (2013.01); **H01B 7/0216** (2013.01); **H01B 13/141** (2013.01)

Citation (applicant)
• EP 0489752 A1 19920617 - GORE & ASS [US]
• DE 4414052 A1 19951026 - EILENTROPP KG [DE]
• DE 10201833 A1 20030731 - HEW KABEL CDT GMBH & CO KG [DE]

Cited by
CN115954637A; AT525296A1; CN105336453A

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102009006069 A1 20100729; EP 2224458 A2 20100901; EP 2224458 A3 20130925

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DE 102009006069 A 20090125; EP 09015454 A 20091215