

Title (en)

High voltage direct current electrical cable with mass-impregnated insulation

Title (de)

Gleichstrom-Hochspannungs-Elektrokabel mit massenimprägnierter Isolierung

Title (fr)

Câble électrique courant continu à haute tension avec une isolation imprégnée en masse

Publication

EP 0971371 B1 20040512 (EN)

Application

EP 99112688 A 19990702

Priority

- EP 99112688 A 19990702
- EP 98112473 A 19980706

Abstract (en)

[origin: EP0971371A1] Mass-impregnated electrical cable, particularly for carrying high voltage direct current, having an insulation in which, around the insulating layer impregnated with an insulating fluid, a containing layer is provided comprising at least one winding of a tape of a semiconducting elastomeric material, which exerts an effective action of containing the insulating fluid, while preventing formation of micro-cavities within the impregnated insulating layer. The material constituting the tape has high physical-chemical resistance to the degrading action of the components of the insulating fluid, both in the cold state and, in particular, at the operating temperature of the cable. <IMAGE>

IPC 1-7

H01B 9/06

IPC 8 full level

H01B 3/18 (2006.01); **H01B 7/02** (2006.01); **H01B 7/14** (2006.01); **H01B 9/02** (2006.01); **H01B 9/06** (2006.01); **H01B 17/34** (2006.01); **H01B 17/62** (2006.01)

CPC (source: EP)

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Cited by

CN102712179A; CN105336424A; EP3015852A1

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DOCDB simple family (publication)

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