

Title (en)
AN INSULATED ELECTRIC DIRECT CURRENT CABLE

Title (de)
ISOLIERTES GLEICHSTROMKABEL

Title (fr)
CABLE ELECTRIQUE ISOLE POUR COURANT CONTINU

Publication
EP 1042761 A1 20001011 (EN)

Application
EP 98964597 A 19981215

Priority
• SE 9802313 W 19981215
• SE 9704828 A 19971222

Abstract (en)
[origin: WO9933068A1] A DC-cable having at least one conductor and an impregnated insulation system is disclosed. The insulation system comprises a solid electrically insulating dielectric part with a porous, fibrous and/or laminated structure impregnated with an oil that comprises a gelling additive. The gelling additive molecule, which molecule comprises a polar part, group or segment, interacts with the oil and/or any other gelling additive molecule to form a gelled network of longer and/or more branched polymer molecules or cross-linking bridges in the oil, which thereby exhibits the flow properties of a highly viscous and elastic gel.

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IPC 8 full level
H01B 3/20 (2006.01); **H01B 3/30** (2006.01); **H01B 3/44** (2006.01); **H01B 9/06** (2006.01)

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H01B 3/20 (2013.01 - EP KR); **H01B 3/30** (2013.01 - EP); **H01B 3/441** (2013.01 - EP)

Citation (search report)
See references of WO 9933068A1

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