

Title (en)  
AN ELECTRIC DC-CABLE WITH AN INSULATION SYSTEM COMPRISING AN EXTRUDED POLYETHYLENE COMPOSITION AND A METHOD FOR MANUFACTURING SUCH CABLE

Title (de)  
ELEKTRISCHES GLEICHSTROMKABEL MIT EINER ISOLATIONSANORDNUNG BESTEHEND AUS EINER EXTRUDIERTEN ZUSAMMENSETZUNG AUS POLYETHYLEN UND HERSTELLUNGSVERFAHREN EINES SOLCHEN KABELS

Title (fr)  
CABLE ELECTRIQUE POUR COURANT CONTINU AVEC SYSTEME ISOLANT COMPRENANT UNE COMPOSITION EN POLYETHYLENE EXTRUDE ET SON PROCEDE DE FABRICATION

Publication  
**EP 1103052 A1 20010530 (EN)**

Application  
**EP 99941942 A 19990804**

Priority  

- SE 9901335 W 19990804
- SE 9802681 A 19980806

Abstract (en)  
[origin: WO0008655A1] An electric DC-cable with an insulation system comprising an extruded polyethylene composition and a method for manufacturing such a cable. The insulating system comprises an extruded cross-linked polyethylene based insulation disposed around the conductor. The extruded insulation system in addition to the polyethylene based compound includes an additive, which is a glycerol fatty acid ester of the general formula (I):  $R<1>O(C_3H_5(OR<2>)O)_nR<3>$  where  $n \geq 1$ ,  $R<1>$ ,  $R<2>$ , and  $R<3>$ , which are the same or different, designate hydrogen or the residue of a carboxylic acid with 8-24 carbon atoms, with the proviso that there are at least two free OH groups and at least one residue of a carboxylic acid with 8-24 carbon atoms in the molecule. In the method for producing the DC-cable the compounded polyethylene based composition is extruded and cross-linked at a temperature and for a period of time sufficient enough to cross-link the insulation.

IPC 1-7  
**H01B 9/02**

IPC 8 full level  
**H01B 3/44** (2006.01); **H01B 9/00** (2006.01); **H01B 9/02** (2006.01); **H01B 13/14** (2006.01)

CPC (source: EP KR)  
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Citation (search report)  
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