

Title (en)

COMPOSITE WIRE WITH PROTECTIVE EXTERNAL METALLIC MANTLE AND INTERNAL FIBRE

Title (de)

VERBUNDDRAHT MIT EXTERNER SCHUTZUMMANTELUNG AUS METALL UND INTERNEM GEWEBE

Title (fr)

FIL COMPOSITE COMPRENANT UN MANTEAU MÉTALLIQUE EXTERNE PROTECTEUR ET UNE FIBRE INTERNE

Publication

EP 2773810 A1 20140910 (EN)

Application

EP 11808953 A 20111031

Priority

IT 2011000365 W 20111031

Abstract (en)

[origin: WO2013065074A1] A composite wire (10) comprising an outer layer (1) and an inner portion (2, 3), said outer layer (1) being of linear or helical form and consisting of a metallic material, and said inner portion comprising fibers (2) and/or pultruded bars (3), the fibers (2) and/or pultruded bars (3) being arranged parallel to the longitudinal axis of the composite wire (10) or in a twisted manner. The composite wire (10) may be used autonomously or as part of strands (12) or ropes (13). The composite wire (10) has higher resistance to axial stresses, improved wear properties and reduced specific weight compared to metal wires.

IPC 8 full level

D07B 1/02 (2006.01); **D02G 3/12** (2006.01); **H01B 5/08** (2006.01)

CPC (source: EP)

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C-Set (source: EP)

1. **D07B 2205/3003** + **D07B 2801/10**
2. **D07B 2205/306** + **D07B 2801/18**

Citation (search report)

See references of WO 2013065074A1

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