

Title (en)
IN-SITU RUBBERIZED LAYERED CABLE FOR CARCASS REINFORCEMENT FOR TYRE

Title (de)
IN-SITU-GUMMIERTES SCHICHTKABEL ZUR KARKASSENVERSTÄRKUNG VON REIFEN

Title (fr)
CABLE A COUCHES GOMME IN SITU POUR ARMATURE CARCASSE DE PNEUMATIQUE

Publication
EP 2326765 A1 20110601 (FR)

Application
EP 09777384 A 20090723

Priority
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Abstract (en)
[origin: WO2010012411A1] Two-layer (Ci, Ce) metal cable (C-1) of 3+N construction, rubberized in situ, comprising an inner layer (Ci) consisting of three core wires (10) of diameter di wound together helically with a pitch pi and an outer layer (Ce) of N wires (11), N varying from 6 to 12, of diameter d2 wound together helically with a pitch p2 around the inner layer (Ci), said cable being characterized in that it has the following features (d1, d2, p1, p2 being in mm): $0.08 \leq d1 \leq 1$ / $p2 \leq 30$; the inner layer is sheathed in a diene rubber composition termed the "filler rubber" (12) which, for any 2 cm or greater length of cable, is present in the central channel (13) formed by the three core wires and in each of the interstices between the three core wires (10) and the N wires (11) of the outer layer (Ce); the filler rubber ratio in the cable being between 5 and 35 mg per g of cable. Multistrand cable comprising at least one two-layer cable according to the invention, intended particularly for tyres for industrial vehicles of the civil engineering type.

IPC 8 full level
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Citation (search report)
See references of WO 2010012411A1

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