Title (en)

MULTIPLE LAYER WIRE STRAND FILLED WITH A FILLER DURING PRODUCTION FOR A TIRE REINFORCEMENT

Title (de)

MEHRLAGIGE DRAHTLITZE MIT WÄHREND DES SCHLAGENS EINGEBRACHTEM FÜLLER ALS VERSTÄRKUNG EINES REIFENS

Title (fr)

CABLE A TROIS COUCHES, GOMME IN SITU, POUR ARMATURE DE CARCASSE DE PNEUMATIQUE

Publication

EP 2366046 B1 20141105 (FR)

Application

EP 09749026 A 20091110

Priority

- EP 2009008007 W 20091110
- FR 0857786 A 20081117

Abstract (en)

[origin: WO2010054790A1] Metal cord (C-1) with three layers (C1, C2, C3), which is rubberized in situ and comprises a core or first layer (10, C1) of diameter d1, around which there are wound together in a helix at a pitch p2, as a second layer (C2), N filaments (11) of diameter d2, N varying from 5 to 7, around which there are wound together in a helix at a pitch p3, as a third layer (C3), P filaments (12) of diameter d3, said cord being characterized in that it has the following features (d1, d2, d3, p2 and p3 being expressed in mm): - 0.08 1 1 + d2) 2 3 1 + 2d2 + d3); - over any 2 cm length of cord, a rubber compound known as "filling rubber" (13) is present in each of the capillaries (14) situated, on the one hand, between the core (C1) and the N filaments of the second layer (C2), on the other hand between the N filaments of the second layer (C2) and P filaments of the third layer (C3); the level of filling rubber in the cord ranging between 5 and 30 mg per gram of cord.

IPC 8 full level

D07B 1/06 (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP US)

D07B 1/0633 (2013.01 - EP US); **D07B 5/12** (2013.01 - EP US); D07B 1/0613 (2013.01 - EP US); D07B 7/145 (2013.01 - EP US); D07B 2201/2006 (2013.01 - EP US); D07B 2201/2011 (2013.01 - EP US); D07B 2201/2023 (2013.01 - EP US); D07B 2201/2028 (2013.01 - EP US); D07B 2201/2031 (2013.01 - EP US); D07B 2201/204 (2013.01 - EP US); D07B 2201/2046 (2013.01 - EP US); D07B 2201/2059 (2013.01 - EP US); D07B 2201/2081 (2013.01 - EP US); D07B 2205/3021 (2013.01 - EP US); D07B 2205/3053 (2013.01 - EP US); D07B 2205/3057 (2013.01 - EP US); D07B 2205/306 (2013.01 - EP US); D07B 2205/3067 (2013.01 - EP US); D07B 2205/3071 (2013.01 - EP US); D07B 2205/3085 (2013.01 - EP US); D07B 2205/3089 (2013.01 - EP US); D07B 2207/4072 (2013.01 - EP US); D07B 2501/2046 (2013.01 - EP US)

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