

Title (en)
HYBRID ELASTIC CABLE AND PROCESS FOR MANUFACTURING SUCH A CABLE

Title (de)
HYBRIDES ELASTISCHES KABEL UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN KABELS

Title (fr)
CÂBLE HYBRIDE ÉLASTIQUE ET PROCÉDÉ DE FABRICATION D'UN TEL CÂBLE

Publication
EP 2807296 B1 20160608 (FR)

Application
EP 13701260 A 20130124

Priority
• FR 1250687 A 20120124
• EP 2013051381 W 20130124

Abstract (en)
[origin: WO2013110731A1] Hybrid elastic cable comprising at least one elastic wire (1) and at least one resistant wire (2), the elastic wire (1), at a maximum degree of elongation of the cable, encircles the resistant wire (2) in a helix with a specific number of turns per linear metre of the cable, this number of turns ranging between $nsE - 15\%$ and $nsE + 15\%$, nsE being determined from the following formula: formula (I), in which ϕ_{ie} is the diameter in mm of the elastic wire (1) at rest, ϕ_{iK} is the diameter in mm of the resistant wire (2) and K_{max} is the preset maximum degree of elongation of the hybrid cable, the elastic wire (1) furthermore being twisted over itself with a specific number of distinct turns per linear metre of the cable, this number of distinct turns ranging between nsE and $3 \times nsE$, the distinct turns in the wire (1) of the first type being wound in the opposite direction to the turns of said helix.

IPC 8 full level
D02G 3/32 (2006.01)

CPC (source: EP US)
D02G 3/32 (2013.01 - EP US); **D02G 3/328** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 2986013 A1 20130726; FR 2986013 B1 20150213; CN 104220656 A 20141217; CN 104220656 B 20160914; EP 2807296 A1 20141203; EP 2807296 B1 20160608; US 2014373502 A1 20141225; US 9605362 B2 20170328; WO 2013110731 A1 20130801

DOCDB simple family (application)
FR 1250687 A 20120124; CN 201380016314 A 20130124; EP 13701260 A 20130124; EP 2013051381 W 20130124; US 201314374489 A 20130124