

Title (en)  
ROPE-LIKE STRUCTURE

Title (de)  
SEILARTIGES GEBILDE

Title (fr)  
PRODUIT DE TYPE CABLE

Publication  
**EP 1430176 B1 20060510 (DE)**

Application  
**EP 02764469 A 20020924**

Priority  
• CH 0200533 W 20020924  
• CH 17702001 A 20010925

Abstract (en)  
[origin: WO03027383A1] The invention relates to rope-like structures, in particular, kernmantel ropes, cords and cables in which the individual fibres, threads or thread bundles (5, 5', 6, 6') are connected to each other such that the above are non-slip relative to each other. Such rope-like bodies have an improved resistance to extension and an improved knot stability. Kernmantel ropes (10) have a proportion of the core fibres (5') in the sheath region (2) and connected therein to the sheath fibres (6), whilst a proportion of the sheath fibres (6') lie in the core region (1) and are connected therein to the core fibres (5), such that the at least one sheath (4) is fixed to the at least one core (1), such that the above are non-slip relative to each other. Cords and cables with similar properties are disclosed. Such ropes are applicable in the field of work security, in water, sailing and mountain sports and for the fire service, army, police and rescue units as well as in Jacquard machines.

IPC 8 full level  
**D07B 1/02** (2006.01)

CPC (source: EP US)  
**D07B 1/025** (2013.01 - EP US); **D07B 1/04** (2013.01 - EP US); **D07B 1/148** (2013.01 - EP US); **D07B 2205/2014** (2013.01 - EP US); **D07B 2205/2042** (2013.01 - EP US); **D07B 2205/205** (2013.01 - EP US); **D07B 2401/205** (2013.01 - EP US)

Cited by  
DE102008008577A1; DE102009017312A1; US7849666B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03027383 A1 20030403**; AT E325920 T1 20060615; DE 50206757 D1 20060614; EP 1430176 A1 20040623; EP 1430176 B1 20060510; ES 2262833 T3 20061201; HK 1067161 A1 20050401; US 2005011344 A1 20050120; US 7360477 B2 20080422

DOCDB simple family (application)  
**CH 0200533 W 20020924**; AT 02764469 T 20020924; DE 50206757 T 20020924; EP 02764469 A 20020924; ES 02764469 T 20020924; HK 04110103 A 20041221; US 49042904 A 20040901