

Title (en)
Sheathed synthetic fibre rope

Title (de)
Ummanteltes Kunstfaserseil

Title (fr)
Câble gainé en fibres synthétiques

Publication
EP 1029974 B1 20040324 (DE)

Application
EP 00100815 A 20000117

Priority
• EP 00100815 A 20000117
• EP 99810050 A 19990122

Abstract (en)
[origin: EP1029974A1] The cable, of twisted plastics strands, has anchor elements (13) twisted into the outermost twisted strand layers (11), bonded to the outer mantle (14). The anchor elements (13) and/or the outer mantle (14) are of materials which can be welded or vulcanized. The anchor element is at least one anchor strand (13) in at least one outer strand layer (11) with carrier strands (9). Or it is an anchor fiber twisted with the carrier strands at the outermost twisted strand layer. An Independent claim is included for a cable manufacturing process where the anchor element (13) is twisted in place so that, when the outer mantle (14) is fitted, a mol. bond is formed between them. Preferred Features: The anchor strand (13) is heated to its melting temp. before the mantle (14) is extruded over the twisted cable so that it is welded to the anchor. The anchors (13) are treated chemically before the mantle shrouding is in place, for the mantle and anchors to be vulcanized together.

IPC 1-7
D07B 1/16

IPC 8 full level
D07B 1/02 (2006.01); **B66B 7/06** (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP US)
D07B 1/025 (2013.01 - EP US); **D07B 1/162** (2013.01 - EP US); **D07B 1/165** (2013.01 - EP US); **D07B 1/167** (2013.01 - EP US);
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D07B 2201/2074 (2013.01 - EP US); **D07B 2201/2087** (2013.01 - EP US); **D07B 2205/2003** (2013.01 - EP US);
D07B 2205/205 (2013.01 - EP US); **D07B 2205/2064** (2013.01 - EP US); **D07B 2401/205** (2013.01 - EP US)

Cited by
DE10197157B4; AT508525A3; AT508525B1; US7059091B2; USRE47035E; WO02064480A1; EP1371597B1

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CN 1130486 C 20031210; CN 1262358 A 20000809; DE 50005757 D1 20040429; ES 2218001 T3 20041116; HK 1030246 A1 20010427;
IL 133721 A0 20010430; IL 133721 A 20030624; JP 2000220083 A 20000808; JP 4495816 B2 20100707; MY 121133 A 20051230;
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