

Title (en)
Temperature resistant, elastic thread element

Title (de)
Temperaturbeständiges, elastisches Stranglelement

Title (fr)
Élément résistant à la température, élastique

Publication
EP 2063018 A2 20090527 (DE)

Application
EP 08020124 A 20081119

Priority
DE 202007016240 U 20071121

Abstract (en)
The cord or strip, (10) comprises strands (30) surrounded by a casing (20), which runs along it. The strands are made from silicon rubber. Temperatures ranging from -40[deg] C to 120[deg] C are resisted. The casing comprises textile layers. Each layer comprises a braid, a woven fabric (22) or a knit. The layers surround the strands completely, and run along the cord. The casing is made from monofilaments and/or multiple threads of e.g. polyester fibers, viscose fibers, cotton fibers or polyamide fibers. The silicon rubber strands form a parallel bundle. All have identical shape and the same cross section. They are parallel, intertwined or interwoven. They are round or rectangular in cross section. Support threads included in the casing, surround the strands. The product is in the form of a strip or band with rectangular cross section. The parallel strands at the center of the width, have a smaller diameter than those at the edges.

Abstract (de)
Die Erfindung bezieht sich auf temperaturbeständiges, elastisches Stranglelement (10), insbesondere in Form eines Profilbandes(11), einer Kordel, einer Litze oder einer Rundschnur. Das Stranglelement (10) besitzt für erhöhte Anforderungen im Bereich Automotive insbesondere eine Dauerelastizität in einem weiten Temperaturbereich von -40°C bis 120°C. Ein solches Stranglelement (10) umfasst mindestens einen Mantel (20), der eine in Längsrichtung des Stranglelements (10) verlaufende strangförmige Seele (30) aus Silikonmaterial umgibt, wobei vorzugsweise ein oder mehrere textile Lagen den Mantel (20) bilden und die einzelnen Lagen aus einem Geflecht, einem Gewebe (22) oder einem Gewirk bestehen und diese Lagen die Seele (30) in Längsrichtung vollständig umgeben (Fig.1a).

IPC 8 full level
D07B 1/02 (2006.01)

CPC (source: EP US)
D04B 21/205 (2013.01 - EP); **D04C 1/12** (2013.01 - EP); **D07B 1/02** (2013.01 - EP); **D07B 1/04** (2013.01 - EP); **D07B 1/22** (2013.01 - EP US); **D07B 5/045** (2021.01 - EP US); **D07B 5/10** (2013.01 - EP US); **D07B 2201/1008** (2013.01 - EP); **D07B 2201/2003** (2013.01 - EP); **D07B 2201/2009** (2013.01 - EP); **D07B 2201/2016** (2013.01 - EP); **D07B 2201/2022** (2013.01 - EP); **D07B 2201/2023** (2013.01 - EP); **D07B 2201/2033** (2013.01 - EP); **D07B 2201/2037** (2013.01 - EP); **D07B 2201/2048** (2013.01 - EP); **D07B 2201/2055** (2013.01 - EP); **D07B 2201/2056** (2013.01 - EP); **D07B 2201/2066** (2013.01 - EP); **D07B 2201/2069** (2013.01 - EP); **D07B 2201/2088** (2013.01 - EP); **D07B 2201/209** (2013.01 - EP); **D07B 2201/20903** (2015.07 - EP); **D07B 2201/20907** (2015.07 - EP); **D07B 2205/30** (2013.01 - EP); **D07B 2401/2005** (2013.01 - EP); **D07B 2501/2084** (2013.01 - EP)

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CN112626706A; CN102336824A; CN103726370A; CN103741371A; WO2013143966A2; US9845572B2; WO2013143965A2; US9845571B2

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 202007016240 U1 20080124; EP 2063018 A2 20090527; EP 2063018 A3 20100217

DOCDB simple family (application)
DE 202007016240 U 20071121; EP 08020124 A 20081119