

Title (en)  
Filled wire rope

Title (de)  
Drahtseil mit Füller

Title (fr)  
Câble contenant un matériau de remplissage

Publication  
**EP 2500465 A1 20120919 (EN)**

Application  
**EP 12151481 A 20120118**

Priority  
JP 2011059029 A 20110317

Abstract (en)  
A wire rope (1) includes a rope body (1A) including a plurality of strands (2) that are twisted, each strand (2) including a plurality of wires (3). A gap between the strands (2) of the rope body (1A) is filled with a different material differing from a material of the wires (3). The different material is exposed from the gap between the strands (2) at a surface of the rope body (1A), so that a different-material spiral portion (10A, 10B) that is spirally formed around an axial line of the rope body (1A) is formed at the surface of the rope body (1A).

IPC 8 full level  
**D07B 1/16** (2006.01); **D07B 1/14** (2006.01)

CPC (source: EP US)  
**D07B 1/148** (2013.01 - EP US); **D07B 1/16** (2013.01 - EP US); **D07B 1/165** (2013.01 - EP US); **D07B 5/005** (2013.01 - EP US);  
**D07B 5/006** (2015.07 - EP US)

Citation (applicant)  
JP 2002017864 A 20020122 - PIOLAX MEDICAL DEVICE KK

Citation (search report)  
• [X] JP 2002235290 A 20020823 - TOKYO SEIKO CO LTD, et al  
• [X] EP 1359248 A2 20031105 - FATZER AG [CH], et al  
• [X] JP 2000120648 A 20000425 - ASAHI INTECC CO LTD  
• [X] US 2136865 A 19381115 - REED MALCOLM W  
• [X] FR 2769027 A3 19990402 - TREFILEEUROPE [FR]

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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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2500465 A1 20120919**; CN 102682879 A 20120919; JP 2012193475 A 20121011; US 2012233976 A1 20120920

DOCDB simple family (application)  
**EP 12151481 A 20120118**; CN 201110408529 A 20111209; JP 2011059029 A 20110317; US 201213411111 A 20120302