

Title (en)

SYNTHETIC FIBER ROPE WITH COUPLING ELEMENT

Title (de)

KUNSTFASERSEIL MIT KOPPELEMENT

Title (fr)

CÂBLE EN FIBRE ARTIFICIELLE AVEC ÉLÉMENT D'ACCOUPLEMENT

Publication

EP 2297419 A1 20110323 (DE)

Application

EP 09757521 A 20090602

Priority

- EP 2009056744 W 20090602
- DE 102008026804 A 20080603
- DE 102009021055 A 20090508

Abstract (en)

[origin: WO2009147140A1] The invention relates to a synthetic fiber rope with a coupling element for transferring a shifting force onto a shifting part to be attached to the rope by way of the coupling element, wherein the coupling element (3, 4, 5, 6, 6', 7, 8, 9, 9') is attached to the rope (1) as a separate element from the rope (1). In the process, the coupling element (3, 4, 5, 6, 6', 7, 8, 9, 9') grips at least partially into the interior of the rope (1) and reaches behind rope components (14, 14a, 14b, 15) there made of synthetic fibers.

IPC 8 full level

E05F 11/38 (2006.01); **E05F 11/48** (2006.01); **F16G 11/02** (2006.01)

CPC (source: EP US)

E05F 11/382 (2013.01 - EP US); **E05F 11/483** (2013.01 - EP US); **F16G 11/02** (2013.01 - EP US); **F16G 11/046** (2013.01 - EP US);
F16G 11/048 (2013.01 - EP US); **F16G 11/05** (2013.01 - EP US); **E05Y 2201/654** (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US);
Y10T 29/49826 (2015.01 - EP US)

Citation (search report)

See references of WO 2009147140A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009147140 A1 20091210; CN 102057122 A 20110511; CN 102057122 B 20140409; EP 2297419 A1 20110323;
JP 2011522143 A 20110728; JP 5325287 B2 20131023; KR 101272824 B1 20130610; KR 20110031932 A 20110329;
RU 2010152037 A 20120720; RU 2461695 C2 20120920; US 2011094370 A1 20110428; US 8375691 B2 20130219

DOCDB simple family (application)

EP 2009056744 W 20090602; CN 200980120734 A 20090602; EP 09757521 A 20090602; JP 2011512097 A 20090602;
KR 20107029879 A 20090602; RU 2010152037 A 20090602; US 99636309 A 20090602