

Title (en)
ROPE AND AGGREGATE ROPE

Title (de)
SEIL UND AGGREGATSEIL

Title (fr)
CÂBLE ET ENSEMBLE CÂBLE

Publication
EP 3176319 A4 20180228 (EN)

Application
EP 15826618 A 20150715

Priority
• JP 2014155816 A 20140731
• JP 2015070258 W 20150715

Abstract (en)
[origin: EP3176319A1] To provide a rope which is light in weight and flexible per se, resistant to invasion of sand granules and the like into strands thereof, and less prone to suffer fiber breakage caused by the sand granules nor to suffer per se inadvertent breakage under a small tensile load. The rope includes: a core material formed by paralleling, twisting or braiding a plurality of yarns; and a filter material that covers a periphery of the core material and is comprised of a tubular woven fabric formed by weaving warp yarns and weft yarns.

IPC 8 full level
B63B 21/20 (2006.01); **D07B 1/02** (2006.01); **D07B 1/04** (2006.01); **D07B 1/14** (2006.01); **D07B 5/00** (2006.01)

CPC (source: EP US)
B63B 21/20 (2013.01 - EP); **D07B 1/025** (2013.01 - EP); **D07B 1/04** (2013.01 - EP US); **D07B 1/14** (2013.01 - EP US); **D07B 5/00** (2013.01 - EP); **D07B 2201/1014** (2015.07 - EP); **D07B 2201/1092** (2013.01 - EP); **D07B 2201/1096** (2013.01 - EP); **D07B 2201/2088** (2013.01 - EP); **D07B 2201/20903** (2015.07 - EP); **D07B 2205/2014** (2013.01 - EP); **D07B 2401/207** (2013.01 - EP); **D07B 2501/2061** (2013.01 - EP)

Citation (search report)
• [X1] WO 2014069299 A1 20140508 - OBAMA ROPE MFG CO LTD [JP], et al & US 2015152594 A1 20150604 - KIKUCHI YUZO [JP], et al
• [X1] WO 2006118465 A1 20061109 - SCANROPE AS [NO], et al
• [X1] EP 2518208 A2 20121031 - POLTECO INC [US]
• [X1] DE 202012102710 U1 20120817 - SPANSET INTER AG [CH]
• [X1] GB 1101418 A 19680131 - MINISTRY OF TECHNOLOGY
• See references of WO 2016017427A1

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

DOCDB simple family (publication)
EP 3176319 A1 20170607; EP 3176319 A4 20180228; CN 106574437 A 20170419; JP 2016033269 A 20160310; WO 2016017427 A1 20160204

DOCDB simple family (application)
EP 15826618 A 20150715; CN 201580039592 A 20150715; JP 2014155816 A 20140731; JP 2015070258 W 20150715