



(51) International Patent Classification:

D07B 1/04 (2006.01) **B66C 1/18** (2006.01)
D07B 1/02 (2006.01)

(21) International Application Number:

PCT/EP2012/061964

(22) International Filing Date:

21 June 2012 (21.06.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11171251.9 24 June 2011 (24.06.2011) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

21 February 2013

(54) Title: PARALLEL UHMWPE ROPE

(57) Abstract: The present invention pertains to a parallel rope comprising elongate bodies wherein the length axis of the elongate bodies is parallel to the length of the rope or wherein the elongate bodies show helix angles smaller than 2°, characterized in that the elongate bodies comprise tapes of ultra-high molecular weight polyethylene, the tapes having a width to thickness ratio of at least 10 and a polymer solvent content below 0.05 wt.%. It has been found that a parallel rope based on the specified polyethylene tapes shows high modulus in combination with low weight, a long life-span, and low creep. If so desired, the rope may be free of non-polyethylene low-molecular weight components, as the tapes do not require the presence of a finish.



INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/061964

A. CLASSIFICATION OF SUBJECT MATTER
INV. D07B1/04 D07B1/02 B66C1/18
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
D07B B66C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 2010/101833 A1 (ZACHARIADES NINA [US] ET AL) 29 April 2010 (2010-04-29) paragraphs [0043], [0044], [0046], [0053], [0057], [0083]; claim 19; figure 2	1-6,9
Y	US 5 771 673 A (LORCH WILHELM [DE]) 30 June 1998 (1998-06-30) column 3, line 4 - line 54; claims 1,6; figures 1,2	1-6,9
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Date of the actual completion of the international search

3 December 2012

Date of mailing of the international search report

11/12/2012

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2012/061964

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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