

Title (en)

ROPE COMPRISING AT LEAST ONE FIBRILLATED FILM TAPE

Title (de)

SEIL MIT MINDESTENS EINEM FIBRILLIERTEN FOLIENBAND

Title (fr)

CÂBLE COMPRENANT AU MOINS UNE BANDE DE FILM FIBRILLÉE

Publication

EP 2794985 A1 20141029 (EN)

Application

EP 12812212 A 20121218

Priority

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- EP 12812212 A 20121218

Abstract (en)

[origin: WO2013092622A1] A process for producing a high strength rope comprising the step of i) providing a uniaxially oriented tape (10) comprising ultra-high molecular weight polyethylene, the tape (10) having a tensile strength of at least 0.9 GPa, and ii) simultaneously twisting and fibrillating the tape (10) into a twisted strand of fibrillated tape with a coherent network of filaments and fibrils. A rope obtainable by the process and products comprising the rope are also disclosed.

IPC 8 full level

D07B 5/00 (2006.01); **D07B 1/02** (2006.01)

CPC (source: EP US)

D07B 1/02 (2013.01 - US); **D07B 1/025** (2013.01 - EP US); **D07B 5/00** (2013.01 - EP US); **D07B 2201/1004** (2013.01 - EP US); **D07B 2201/1044** (2013.01 - EP US); **D07B 2201/1096** (2013.01 - EP US); **D07B 2201/2003** (2013.01 - EP US); **D07B 2205/2014** (2013.01 - EP US); **D07B 2205/502** (2013.01 - EP US); **D07B 2207/405** (2013.01 - EP US); **D07B 2501/2038** (2013.01 - EP US); **D07B 2501/2061** (2013.01 - EP US)

C-Set (source: EP US)

1. **D07B 2205/2014** + **D07B 2801/10** + **D07B 2801/12**
2. **D07B 2207/405** + **D07B 2801/60**

Citation (search report)

See references of WO 2013092622A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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