

Title (en)

CABLE, STRAND, AND METHOD AND DEVICE FOR PRODUCING A CABLE AND A STRAND

Title (de)

SEIL, LITZE, VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES SEILS UND EINER LITZE

Title (fr)

CÂBLE, TORON ET PROCÉDÉ ET DISPOSITIF POUR PRODUIRE UN CÂBLE ET UN TORON

Publication

EP 4097291 A1 20221207 (DE)

Application

EP 21802694 A 20211102

Priority

- EP 2021080339 W 20211102
- LU 102175 A 20201102

Abstract (en)

[origin: WO2022090565A1] The invention relates to a laid cable (1-1b), more particularly a laid fiber cable (1-1b) or a laid hybrid cable, comprising at least one core strand or one laid core cable (2-2b) and at least one outer strand (7-7b) surrounding the core strand or the core cable (2-2b), wherein the core strand, the core cable (2-2b) and/or the at least one outer strand is composed of at least one fiber line (9-9b, 10-10b). The at least one fiber line (9-9b, 10-10b) is beneficially made of a composite material having reinforcing fibers (12), the reinforcing fibers (12) of which composite material are laid to form at least one reinforcing line (11). Advantageously, a laid cable which is stable under transverse pressure is provided. The invention also relates to a strand, to a method for producing a cable and a strand, to a device for producing a cable and/or a strand, and to a device having a drum drive, said device comprising a cable according to the invention.

IPC 8 full level

D07B 7/14 (2006.01); **D07B 1/02** (2006.01)

CPC (source: EP KR US)

D07B 1/005 (2013.01 - KR US); **D07B 1/02** (2013.01 - EP KR); **D07B 1/025** (2013.01 - US); **D07B 1/165** (2013.01 - KR US); **D07B 5/007** (2013.01 - KR US); **D07B 7/145** (2013.01 - EP KR US); **D07B 1/005** (2013.01 - EP); **D07B 1/165** (2013.01 - EP); **D07B 5/006** (2015.07 - EP); **D07B 5/007** (2013.01 - EP); **D07B 2201/2036** (2013.01 - EP KR US); **D07B 2201/2044** (2013.01 - EP KR US); **D07B 2201/2046** (2013.01 - EP KR US); **D07B 2201/2065** (2013.01 - EP KR US); **D07B 2205/2003** (2013.01 - EP KR US); **D07B 2205/201** (2013.01 - EP KR US); **D07B 2205/205** (2013.01 - EP KR US); **D07B 2205/3003** (2013.01 - EP KR US); **D07B 2205/3007** (2013.01 - EP KR US); **D07B 2207/4059** (2013.01 - EP KR US); **D07B 2401/2015** (2013.01 - EP US); **D07B 2401/207** (2013.01 - EP KR US); **D07B 2401/2085** (2013.01 - EP US); **D07B 2501/2015** (2013.01 - EP KR US)

C-Set (source: EP)

1. **D07B 2205/3007** + **D07B 2801/10**
2. **D07B 2205/3003** + **D07B 2801/10**
3. **D07B 2205/205** + **D07B 2801/10**
4. **D07B 2205/2003** + **D07B 2801/16**
5. **D07B 2205/201** + **D07B 2801/16**
6. **D07B 2201/2065** + **D07B 2801/24**
7. **D07B 2207/4059** + **D07B 2801/60** + **D07B 2801/62**

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022090565 A1 20220505; CN 117136262 A 20231128; EP 4097291 A1 20221207; KR 20230095116 A 20230628; US 2023407561 A1 20231221

DOCDB simple family (application)

EP 2021080339 W 20211102; CN 202180088848 A 20211102; EP 21802694 A 20211102; KR 20237018263 A 20211102; US 202118034397 A 20211102