

Title (en)

CORD COMPRISING BIO-BASED COMPONENT AND METHOD FOR PREPARING SAME

Title (de)

SEIL MIT BIOBASIERTER KOMPONENTE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CORDON COMPRENANT UN COMPOSANT À BASE BIOLOGIQUE ET SON PROCÉDÉ DE PRÉPARATION

Publication

**EP 4276229 A1 20231115 (EN)**

Application

**EP 22796119 A 20220427**

Priority

- KR 20210056810 A 20210430
- KR 20220051246 A 20220426
- KR 2022005981 W 20220427

Abstract (en)

The present application relates to a hybrid cord including a bio-based nylon primarily twisted yarn. According to the present application, while including a primarily twisted yarn including bio-based nylon having a higher modulus compared to chemical-based nylon, there is provided a hybrid cord and has elongation and fatigue resistance equivalent to or higher than commercially required levels (i.e., the level that the cord including a conventional chemical-based nylon primarily twisted yarn has).

IPC 8 full level

**D02G 3/04** (2006.01); **D02G 3/28** (2006.01); **D02G 3/36** (2006.01); **D02G 3/48** (2006.01); **D02J 13/00** (2006.01)

CPC (source: EP US)

**D02G 3/047** (2013.01 - US); **D02G 3/36** (2013.01 - US); **D02G 3/48** (2013.01 - EP US); **D02J 13/00** (2013.01 - EP); **D10B 2331/02** (2013.01 - EP); **D10B 2331/021** (2013.01 - EP US); **D10B 2401/063** (2013.01 - US); **D10B 2505/022** (2013.01 - US)

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)

**EP 4276229 A1 20231115**; JP 2024511515 A 20240313; TW 202246606 A 20221201; TW I804297 B 20230601; US 2024076810 A1 20240307; WO 2022231286 A1 20221103

DOCDB simple family (application)

**EP 22796119 A 20220427**; JP 2023559720 A 20220427; KR 2022005981 W 20220427; TW 111116335 A 20220429; US 202218262551 A 20220427