

Title (en)

FIBROUS TEXTURE FOR A THIN-EDGED COMPOSITE BLADE

Title (de)

FASERSTRUKTUR FÜR EINE KOMPOSITKLINGE MIT DÜNNEN RÄNDERN

Title (fr)

TEXTURE FIBREUSE POUR AUBE EN MATERIAU COMPOSITE À BORD FIN

Publication

EP 4301917 A1 20240110 (FR)

Application

EP 22711271 A 20220301

Priority

- FR 2102044 A 20210303
- FR 2022050365 W 20220301

Abstract (en)

[origin: WO2022185007A1] A fibrous texture (200) for a blade has a three-dimensional weave between a first plurality of layers of filaments (201) and a second plurality of layers of filaments (202). The texture comprises a blade airfoil part (205) extending between a first edge (205a) and a second edge (205b) The texture comprises a first part (212) with at least three layers of filaments of the first plurality of filaments and at least three layers of filaments of the second plurality of filaments. Filaments of the two layers of filaments of the first plurality of filaments (201) bind filaments of the second plurality of filaments (202) to the two layers of filaments of the second plurality of filaments with a determined binding frequency.

IPC 8 full level

D03D 25/00 (2006.01); **B29B 11/16** (2006.01); **D03D 41/00** (2006.01)

CPC (source: EP US)

B29B 11/16 (2013.01 - EP); **B29C 70/24** (2013.01 - US); **D03D 25/005** (2013.01 - EP US); **F01D 5/282** (2013.01 - US); **B29L 2031/082** (2013.01 - US); **D10B 2505/02** (2013.01 - EP US); **F05D 2300/6033** (2013.01 - US); **F05D 2300/6034** (2013.01 - US); **Y02T 50/60** (2013.01 - EP)

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 2022185007 A1 20220909; CN 116940724 A 20231024; EP 4301917 A1 20240110; FR 3120325 A1 20220909; FR 3120325 B1 20231103; US 2024133086 A1 20240425

DOCDB simple family (application)

FR 2022050365 W 20220301; CN 202280018442 A 20220301; EP 22711271 A 20220301; FR 2102044 A 20210303; US 202218546902 A 20220301