

Title (en)

COMPOSITE TURBOMACHINE PART FORMED OF A CORE SURROUNDED BY TWO 3D WOVEN FIBROUS PREFORMS

Title (de)

TURBOMASCHINENVERBUNDTEIL AUS EINEM VON ZWEI GEWEBTEN 3D-FASERVORFORMEN UMGEBENEN KERN

Title (fr)

PIECE DE TURBOMACHINE COMPOSITE FORMEE D'UNE AME ENTOUREE PAR DEUX PREFORMES FIBREUSES TISSEES 3D

Publication

**EP 4308792 A1 20240124 (FR)**

Application

**EP 22713969 A 20220307**

Priority

- FR 2102688 A 20210317
- FR 2022050405 W 20220307

Abstract (en)

[origin: WO2022195192A1] The invention relates to a turbomachine part (1) comprising a central core (2) made of a pitted rigid material which comprises a first face and a second face opposite the first face, characterized in that the central core (2) is surrounded firstly by a first external skin (3) made of a composite material with a first fibrous reinforcement (31) woven according to a three-dimensional weave located on the first face of the central core (2), and secondly by a second external skin (4) made of a composite material with a second fibrous reinforcement (41) woven according to a three-dimensional weave located on the second face of the central core (2).

IPC 8 full level

**F01D 5/14** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

**F01D 5/147** (2013.01 - EP US); **F01D 5/282** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP); **F05D 2300/6034** (2013.01 - US); **Y02T 50/60** (2013.01 - EP)

Citation (search report)

See references of WO 2022195192A1

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)

**FR 3120910 A1 20220923**; CN 117120705 A 20231124; EP 4308792 A1 20240124; US 2024151148 A1 20240509; WO 2022195192 A1 20220922

DOCDB simple family (application)

**FR 2102688 A 20210317**; CN 202280022180 A 20220307; EP 22713969 A 20220307; FR 2022050405 W 20220307; US 202218550879 A 20220307