

Title (en)
BLADE MADE OF COMPOSITE MATERIAL WITH AT LEAST PARTIALLY CERAMIC MATRIX

Title (de)
SCHAUFEL AUS VERBUNDWERKSTOFF MIT ZUMINDEST TEILWEISE KERAMISCHER MATRIX

Title (fr)
AUBE EN MATERIAU COMPOSITE A MATRICE AU MOINS PARTIELLEMENT CERAMIQUE

Publication
EP 4264016 A1 20231025 (FR)

Application
EP 21851812 A 20211208

Priority
• FR 2013604 A 20201218
• FR 2021052237 W 20211208

Abstract (en)
[origin: WO2022129734A1] The invention relates to a blade made of composite material comprising a fibrous reinforcement and an at least partially ceramic matrix, the blade being characterized in that the fibrous reinforcement comprises a first structural portion (100) formed by three-dimensional or multi-layer weaving, and a second functional part (200a, 200b), distinct from the first part, comprising short fibers.

IPC 8 full level
F01D 5/28 (2006.01); **B29C 70/08** (2006.01); **B29C 70/10** (2006.01); **B29C 70/24** (2006.01)

CPC (source: EP US)
C04B 35/565 (2013.01 - EP); **C04B 35/571** (2013.01 - EP); **C04B 35/573** (2013.01 - EP); **C04B 35/6286** (2013.01 - EP);
C04B 35/62868 (2013.01 - EP); **C04B 35/62873** (2013.01 - EP); **C04B 35/62884** (2013.01 - EP); **C04B 35/62897** (2013.01 - EP);
C04B 35/80 (2013.01 - EP); **F01D 5/282** (2013.01 - EP US); **F01D 5/284** (2013.01 - US); **B33Y 10/00** (2014.12 - US); **C04B 35/71** (2013.01 - US);
C04B 2235/428 (2013.01 - EP); **C04B 2235/483** (2013.01 - EP); **C04B 2235/524** (2013.01 - EP); **C04B 2235/5244** (2013.01 - EP);
C04B 2235/526 (2013.01 - EP US); **C04B 2235/6026** (2013.01 - EP US); **C04B 2235/614** (2013.01 - EP); **C04B 2235/616** (2013.01 - EP US);
F05D 2300/6033 (2013.01 - US); **Y02T 50/60** (2013.01 - EP)

Citation (search report)
See references of WO 2022129734A1

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 2022129734 A1 20220623; CN 116547129 A 20230804; EP 4264016 A1 20231025; FR 3118096 A1 20220624; FR 3118096 B1 20231117;
US 2023366319 A1 20231116

DOCDB simple family (application)
FR 2021052237 W 20211208; CN 202180081888 A 20211208; EP 21851812 A 20211208; FR 2013604 A 20201218;
US 202118252957 A 20211208