

Title (en)

ANGULAR SECTOR FOR TURBOMACHINE BLADING WITH IMPROVED SEALING

Title (de)

WINKELSEKTOR FÜR TURBOMASCHINENSCHAUFELN MIT VERBESSERTER ABDICHTUNG

Title (fr)

SECTEUR ANGULAIRE D'AUBAGE DE TURBOMACHINE A ETANCHEITE PERFECTIONNEE

Publication

**EP 3797213 A1 20210331 (FR)**

Application

**EP 19740611 A 20190522**

Priority

- FR 1854334 A 20180523
- FR 2019051159 W 20190522

Abstract (en)

[origin: WO2019224476A1] The invention concerns an angular sector (34a) of a fixed blade ring of a turbomachine, in particular a stator or a guide vane assembly, said sector (34a) extending according to a predetermined angle around an axis of the fixed blade ring and comprising, relative to the axis of said fixed blade ring, a radially outer platform (38a), a radially inner platform (40a), at least two blades (42a) that extend between said platforms (38a, 40a), and at least one block of abradable honeycomb material (44a) that extends on the inside of the inner platform (38a) between transverse ends of the sector (34a), characterised in that the block (44a) of abradable material comprises at least one transverse end wall (52a) that is shaped according to a toothed profile (54a1, 54a2) comprising at least one radially oriented (R) tooth (56a1, 56a2) extending across an entire radial thickness of said block (44a). Abstract drawing: Figure 4. .

IPC 8 full level

**F01D 11/00** (2006.01)

CPC (source: EP US)

**F01D 11/001** (2013.01 - EP US); **F01D 11/127** (2013.01 - US); **F05D 2250/182** (2013.01 - EP US); **F05D 2250/183** (2013.01 - EP US); **F05D 2250/283** (2013.01 - US); **F05D 2260/36** (2013.01 - EP 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

DOCDB simple family (publication)

**WO 2019224476 A1 20191128**; CA 3100958 A1 20191128; CN 112292510 A 20210129; CN 112292510 B 20241105; EP 3797213 A1 20210331; EP 3797213 B1 20240710; FR 3081499 A1 20191129; FR 3081499 B1 20210528; US 11686205 B2 20230627; US 2021207488 A1 20210708

DOCDB simple family (application)

**FR 2019051159 W 20190522**; CA 3100958 A 20190522; CN 201980039143 A 20190522; EP 19740611 A 20190522; FR 1854334 A 20180523; US 201917056738 A 20190522