

Title (en)  
ROUGH CAST BLADING WITH MODIFIED TRAILING EDGE GEOMETRY

Title (de)  
RAUGUSS-BESCHAUFELUNG MIT MODIFIZIERTER HINTERKANTENGEOMETRIE

Title (fr)  
AUBAGE BRUT DE FONDERIE A GEOMETRIE DE BORD DE FUITE MODIFIEE

Publication  
**EP 3797009 A1 20210331 (FR)**

Application  
**EP 19737169 A 20190523**

Priority  
• FR 1854282 A 20180523  
• FR 2019051180 W 20190523

Abstract (en)  
[origin: WO2019224486A1] In order to create a thin trailing edge which will not be deformed by a subsequent material removal operation on a turbomachine blade created by the lost wax casting method and comprising an airfoil having a mutually opposite leading edge and trailing edge that are connected by a pressure-face wall and a suction-face wall extending between a blade root and a blade tip, it is provided that a rough cast blading of this blade comprises, on a suction-face wall (240) and/or a pressure-face wall (220) of this blading that are intended to form respectively the suction-face wall and/or the pressure-face wall of the blade, an increased casting thickness (210) extending over a given width from a trailing edge of the blading (200) that is intended to form the trailing edge of the blade in the direction of a leading edge of the blading that is intended to form the leading edge of the blade, with the exception of a reserved region (250) which is adjacent to the trailing edge of the blading and of which the width is at least one radius of the trailing edge of the blading, over at least one part of the height of the blading.

IPC 8 full level  
**B22C 9/10** (2006.01); **F01D 5/14** (2006.01)

CPC (source: EP US)  
**B22C 7/02** (2013.01 - US); **B22C 9/10** (2013.01 - EP); **B22D 25/02** (2013.01 - US); **F01D 5/14** (2013.01 - EP); **F01D 5/141** (2013.01 - US); **F05D 2220/32** (2013.01 - US); **F05D 2230/21** (2013.01 - EP US); **F05D 2240/30** (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

DOCDB simple family (publication)  
**WO 2019224486 A1 20191128**; CN 112118923 A 20201222; CN 112118923 B 20231114; EP 3797009 A1 20210331; EP 3797009 B1 20250101; FR 3081497 A1 20191129; FR 3081497 B1 20201225; US 11396813 B2 20220726; US 2021215047 A1 20210715

DOCDB simple family (application)  
**FR 2019051180 W 20190523**; CN 201980031951 A 20190523; EP 19737169 A 20190523; FR 1854282 A 20180523; US 201917055364 A 20190523