

Title (en)
CONTOURING OF A BLADE ROW PLATFORM

Title (de)
KONTURIERUNG EINER SCHAUFELGITTERPLATTFORM

Title (fr)
CONTOURNAGE D'UNE PLATE-FORME DE GRILLE D'AUBE

Publication
EP 3369892 B1 20200819 (DE)

Application
EP 17159076 A 20170303

Priority
EP 17159076 A 20170303

Abstract (en)
[origin: US2018252107A1] A blade/vane cascade segment for a blade/vane cascade of a turbomachine includes a stage and at least two blade/vane elements that define a blade/vane intermediate strip with an axial cascade span on the stage surface by their leading and trailing edges. A stage edge on the inflow side has a contour with a depression. In the axial direction, this depression extends at most by 10% of the cascade span into the blade/vane intermediate strip. Also provided is a corresponding stage, a blade/vane cascade, a blade/vane channel, and a turbomachine.

IPC 8 full level
F01D 9/04 (2006.01); **F01D 5/14** (2006.01)

CPC (source: EP US)
F01D 5/143 (2013.01 - EP US); **F01D 5/145** (2013.01 - EP US); **F01D 9/041** (2013.01 - EP US); **F05D 2220/30** (2013.01 - US); **F05D 2240/129** (2013.01 - US); **F05D 2240/80** (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

DOCDB simple family (publication)
EP 3369892 A1 20180905; EP 3369892 B1 20200819; ES 2819128 T3 20210415; US 10648339 B2 20200512; US 2018252107 A1 20180906

DOCDB simple family (application)
EP 17159076 A 20170303; ES 17159076 T 20170303; US 201815908401 A 20180228