

Title (en)

ADJUSTABLE CASCADE FOR TURBOMACHINE

Title (de)

VERSTELLBARES SCHAUFELGITTER FÜR EINE TURBOMASCHINE

Title (fr)

GRILLE D'AUBE RÉGLABLE POUR TURBOMACHINES

Publication

**EP 3269941 B1 20200902 (DE)**

Application

**EP 17180807 A 20170711**

Priority

DE 102016212767 A 20160713

Abstract (en)

[origin: US2018017081A1] A variable vane cascade for a turbomachine, in particular for a compressor stage or turbine stage of a gas turbine, having at least one first vane, in particular guide vane that has a first distance from a circumferentially adjacent vane, at least one second vane, in particular guide vane that has at least one second distance from at least one circumferentially adjacent vane that is smaller than the first distance, and an actuating device, in particular for jointly and/or reversibly adjusting the first and second vane from a first position where at least one airfoil cross section of the first vane and an airfoil cross section of the second vane each have a first stagger angle, into a second position where these airfoil cross sections have second stagger angles, the second stagger angle of the first vane differing from the second stagger angle of the second vane, in particular being larger than the second stagger angle of the second vane.

IPC 8 full level

**F01D 17/16** (2006.01)

CPC (source: EP US)

**F01D 9/041** (2013.01 - US); **F01D 17/162** (2013.01 - EP US); **F04D 29/563** (2013.01 - US); **F05D 2220/32** (2013.01 - EP US); **F05D 2240/129** (2013.01 - US); **F05D 2260/961** (2013.01 - EP US); **F05D 2270/101** (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 3269941 A1 20180117**; **EP 3269941 B1 20200902**; DE 102016212767 A1 20180118; US 10711798 B2 20200714; US 2018017081 A1 20180118

DOCDB simple family (application)

**EP 17180807 A 20170711**; DE 102016212767 A 20160713; US 201715646214 A 20170711