

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

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CPC (source: EP US)

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