

Title (en)

GUIDE VANE FOR A TURBINE OF A TURBOMACHINE, TURBINE MODULE AND USE METHOD OF THE TURBINE MODULE

Title (de)

LEITSCHAUFEL FÜR EINE TURBINE EINER STRÖMUNGSMASCHINE, TURBINENMODUL UND VERWENDUNG EINES TURBINENMODULS

Title (fr)

AUBE DE GUIDAGE POUR UNE TURBINE D'UNE TURBOMACHINE, MODULE DE TURBINE ET MÉTHODE D'UTILISATION DU MODULE DE TURBINE

Publication

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Application

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Priority

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Abstract (en)

[origin: US2019331000A1] A stator vane (3) for a turbine (50c) of a turbomachine (50), the stator vane having a stator vane airfoil (3c), an inner shroud (3a) and an outer shroud (3b), the inner shroud (3a) and the outer shroud (3b) bounding an annular space (2), in which working gas (51) is conveyed during operation, radially with respect to a longitudinal axis (52) of the turbomachine (50), and the stator vane airfoil (3c) having a stator vane airfoil channel (3d) extending through its interior between a radially inner inlet (6) and a radially outer outlet (7). A characteristic features is that the inlet (6) is disposed in such a manner that a gas (8) flowing through the stator vane airfoil channel (3d) during operation is at least partially formed of the working gas (51) conveyed in the annular space (2), and thus the working gas is redistributed from radially inward to radially outward.

IPC 8 full level

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CPC (source: EP US)

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