Title (en)

FIXED DIFFUSER VANES ASSEMBLY FOR GUIDING FLOW THROUGH A TURBOMACHINE, COMPRISING AN INTERNAL PLATFORM WITH INBUILT REINFORCEMENTS, AND ASSOCIATED TURBOMACHINE AND PRODUCTION METHOD

Title (de)

FESTE DIFFUSORSCHAUFELANORDNUNG ZUR STRÖMUNGSLENKUNG DURCH EINE TURBOMASCHINE MIT EINER INTERNEN PLATTFORM MIT INTEGRIERTEN VERSTÄRKUNGEN UND ZUGEHÖRIGE TURBOMASCHINE SOWIE HERSTELLUNGSVERFAHREN

Title (fr)

AUBAGE FIXE DE DISTRIBUTION DE FLUX DANS UNE TURBOMACHINE, COMPRENANT UNE PLATE-FORME INTERNE A RENFORTS INTÉGRÉS, TURBOMACHINE ET PROCÉDÉ DE FABRICATION ASSOCIÉS

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Application

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Abstract (en)

[origin: WO2014114873A1] The invention relates to a fixed diffuser vanes assembly (10) for guiding flow through a turbomachine, comprising an internal annular platform (12) and a plurality of fixed vanes (11) which are mounted on this platform, the internal platform comprising a support plate (121) forming the base of said vanes, a radial annular partition (120) extending from the support plate toward an axis of the vanes assembly, and an internal ring (122) attached to the radial annular partition and having an internal surface on which an abradable material (123) is arranged, the vanes assembly being characterized in that the internal ring comprises at least one cut-out (1223) delimiting a tongue (1226), the tongue being bent to press against the radial annular partition (120). The invention also relates to a method of manufacturing such a vanes assembly and to a turbomachine incorporating such vanes.

IPC 8 full level

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