

Title (en)

DIFFUSER VANE MADE OF COMPOSITE MATERIAL FOR A GAS TURBINE ENGINE AND METHOD FOR MANUFACTURING SAME

Title (de)

AUS VERBUNDSTOFFMATERIAL HERGESTELLTE DIFFUSORSCHAUFEL FÜR EINEN GASTURBINENMOTOR UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

AUBE DE REDRESSEUR EN MATÉRIAU COMPOSITE POUR MOTEUR A TURBINE A GAZ ET SON PROCÉDÉ DE FABRICATION.

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Application

EP 15763962 A 20150820

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Abstract (en)

[origin: WO2016030613A1] The invention relates to a diffuser vane (2) for a gas turbine engine, comprising a vane assembly (4) made of a composite material having a fibrous reinforcement densified by a matrix, the fibrous reinforcement being obtained from long fibres pre-impregnated and agglomerated in the form of a mat, the vane assembly being provided on at least one leading edge with a reinforcement strip (10-1), said reinforcement strip being made of a single strip of a unidirectional fabric or a textile, or of a stack of a plurality of pre-impregnated plies of a unidirectional fabric or a textile made of carbon fibres or glass fibres, and at least one platform (6, 8) positioned at a radial end of the vane assembly, the platform being made of a composite material having a fibrous reinforcement densified by a matrix, the fibrous reinforcement being obtained from pre-impregnated long fibres. The invention also relates to a method for manufacturing such a vane.

IPC 8 full level

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Citation (search report)

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