

Title (en)

Modular vane/blade for a gas turbine and gas turbine with such a vane/blade

Title (de)

Modulare Schaufel für eine Gasturbine und Gasturbine mit der Schaufel

Title (fr)

Aube/pale modulaire pour turbine à gaz et turbine à gaz avec une telle aube/pale

Publication

EP 2685047 A1 20140115 (EN)

Application

EP 12176275 A 20120713

Priority

EP 12176275 A 20120713

Abstract (en)

A modular vane/blade (20b) for a gas turbine comprises a basic element (18a) made of a first material, which is provided with at least one insert/inlay (21 b) made of a second material, which is integrally joined with said basic element (18a) and has at least one runout (23a-c). An improved mechanical stability and integrity by placing said at least one runout (23a-c) in a region of low mechanical stress within said vane/blade (20b).

IPC 8 full level

F01D 5/14 (2006.01)

CPC (source: EP)

F01D 5/147 (2013.01); **F05D 2230/51** (2013.01)

Citation (applicant)

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Citation (search report)

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- [X] US 2006228211 A1 20061012 - VANCE STEVEN J [US], et al
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- [Y] EP 2362067 A2 20110831 - UNITED TECHNOLOGIES CORP [US]

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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2685047 A1 20140115

DOCDB simple family (application)

EP 12176275 A 20120713