

Title (en)

A mounting arrangement of a gas turbine vane

Title (de)

Aufbauanordnung einer Gasturbinenleitschaufel

Title (fr)

Disposition de montage d'une aube directrice de turbine à gaz

Publication

EP 1798378 A1 20070620 (EN)

Application

EP 05257826 A 20051219

Priority

EP 05257826 A 20051219

Abstract (en)

Appropriate location of components such as vanes (1, 21, 31, 41, 51, 61, 71, 81, 91) in gas turbine engines is important. These components are located between tangs (7, 27, 37, 47, 57, 67, 87, 97) held in interference engagement. There are four relatively rigid mounting points constituted by the tangs (7, 27, 37, 47, 57, 67, 87, 97) engaging respective opposed slots (8) in a casing (3) or a mounting ring (2). Only three point limitation with respect to displacement and rotation is adequate so provision of a fourth locator causes unnecessary constraint. A relatively resilient or compliant locator (37, 47, 57, 67, 87, 97) means it is possible to reduce the amount of constraint upon the component mounting whilst the other locators (7, 27) are adequate for positioning of the component (1, 21, 31, 41, 51, 61, 71, 81, 91).

IPC 8 full level

F01D 9/04 (2006.01)

CPC (source: EP)

F01D 25/246 (2013.01); **F05D 2230/642** (2013.01); **F05D 2300/501** (2013.01)

Citation (search report)

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