

Title (en)

A gas turbine engine with a guide vane sealing assembly

Title (de)

Gasturbinentriebwerk mit einer Leitschaufeldichtungsanordnung

Title (fr)

Moteur à turbine à gaz ayant un assemblage d'étanchéité d'aubes directrices

Publication

EP 2336496 A1 20110622 (EN)

Application

EP 09179061 A 20091214

Priority

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Abstract (en)

A gas turbine engine including a segment (1) of an annular guide vane assembly, in use of the engine the segment (1) directing hot combustion gases onto rotor blades (9) of the engine, the segment (1) including a platform (13) disposed at a side of the segment (1) radially inward/outward with respect to the axis of rotation of the engine, the platform (13) having a trailing edge portion (15) downstream with respect to the flow of hot combustion gases through the segment (1), the trailing edge portion (15) including a rail (17) that extends radially inwardly/outwardly from the trailing edge portion (15), the engine also including a support and cooling arrangement (3) for supporting the segment (1) and directing a cooling fluid to cool the segment (1), the arrangement (3) being located radially inward/outward of the platform (13), the arrangement (3) including a flange part (37, 39) that extends radially outwardly/inwardly from the arrangement (3), characterised in that the arrangement (3) further includes a leaf seal (31) and at least one retaining pin (33), the retaining pin(s) (33) extending through the leaf seal (31), the rail (17), and the flange part (37,39).

IPC 8 full level

F01D 9/04 (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP)

F01D 9/041 (2013.01); **F01D 11/005** (2013.01); **F05D 2230/642** (2013.01); **F05D 2240/11** (2013.01); **F05D 2240/57** (2013.01); **F05D 2240/81** (2013.01)

Citation (search report)

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