

Title (en)

Gap sealing device

Title (de)

Vorrichtung zur Spaltdichtung

Title (fr)

Dispositif d'étanchéité pour un interstice

Publication

EP 0903468 B1 20030820 (DE)

Application

EP 97810686 A 19970919

Priority

EP 97810686 A 19970919

Abstract (en)

[origin: EP0903468A1] Shroud plates (16) on the rotor blade ends (La3) project into cavities in the stator. At the labyrinth entry (40), the cavity is divided radially into two or more axially offset part cavities. The shroud plate is stepped, and has at least two throttle points against the stator. Horizontal curved sealing strips (17) on the stator enclose eddy chambers and each act on a shroud plate step. The radial outward facing surfaces of the shroud are angled against the flow direction.

IPC 1-7

F01D 11/08

IPC 8 full level

F01D 5/20 (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP US)

F01D 11/08 (2013.01 - EP US)

Cited by

DE102009042857A1; CN103375185A; DE102009052314A1; WO2011054341A3; EP1001139B1

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DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 97810686 A 19970919; CN 98119296 A 19980918; DE 59710621 T 19970919; JP 26168598 A 19980916; US 15327098 A 19980914