

Title (en)

Sealing between segments of stator nozzle ring

Title (de)

Dichtung zwischen Segmenten eines Leitschaufelkranzes

Title (fr)

Agencement de raccordement de deux secteurs angulaires de turbomachine et joint conçu pour servir dans cet agencement

Publication

EP 0735242 B1 19980311 (FR)

Application

EP 96400661 A 19960328

Priority

FR 9503666 A 19950329

Abstract (en)

[origin: EP0735242A1] The connection between two adjacent blade platforms (1,2) of a turbo machine have a linear adjoining gap (3) and are covered by a layer (15,16) of easily eroded material on their radial faces. Cavities extending radially onto the platforms pass through the layer, opening onto the gap. Small strips (12) occupy the cavities and block the gap. The cavities form long grooves with curvature variations and emerge on the layer face opposite the platforms. The cavities have edge faces in front of the platform edges coincident with the ends of the gap. A joint (10) with a core occupies the cavities, the thin strips being joined to the core.

IPC 1-7

F01D 11/00

IPC 8 full level

F01D 11/00 (2006.01)

CPC (source: EP US)

F01D 11/005 (2013.01 - EP US)

Cited by

FR3085708A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0735242 A1 19961002; EP 0735242 B1 19980311; DE 69600179 D1 19980416; DE 69600179 T2 19980730; FR 2732416 A1 19961004; FR 2732416 B1 19970430; US 5707207 A 19980113

DOCDB simple family (application)

EP 96400661 A 19960328; DE 69600179 T 19960328; FR 9503666 A 19950329; US 61872096 A 19960320