Title (en)

Circular row of turbomachine guide vanes with inner ends assembled by a linking ring

Title (de)

Turbomaschinenstufe mit an ihren inneren Enden durch einen Ring verbundenen Leitschaufeln

Title (fr)

Etage circulaire d'aubes de turbomachine aux extrémités intérieures unies par un anneau de liaison

Publication

EP 0947668 B1 20000503 (FR)

Application

EP 99400514 A 19990304

Priority

FR 9802675 A 19980305

Abstract (en)

[origin: FR2775731A1] The fixed circular blades (2) are fitted with external pivots (3), located within the bearings (4) of the external pivots of the stator (1) of the turbine, and the internal pivots (5) located within the pivot bearings (6) of the carrier ring (7). The carrier ring is composed of a support ring (12), which carries the bearings, and a stiffening ring (13), which carries the two lips (20, 21), which are aimed towards each other and fit into the grooves (22, 23) on the support ring. One of the lips (21) fits into the pivot bearings and penetrates into the grooves (31).

IPC 1-7

F01D 17/16

IPC 8 full level

F01D 9/04 (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP)

F01D 17/162 (2013.01); **F04D 29/563** (2013.01); F05D 2250/141 (2013.01)

Cited by

DE102015220371A1; EP2725200A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

FR 2775731 A1 19990910; **FR 2775731 B1 20000407**; CA 2263255 A1 19990905; CA 2263255 C 20090224; DE 69900004 D1 20000608; DE 69900004 T2 20010301; EP 0947668 A1 19991006; EP 0947668 B1 20000503; JP 3877032 B2 20070207; JP H11315702 A 19991116; US 6129512 A 20001010

DOCDB simple family (application)

FR 9802675 A 19980305; CA 2263255 A 19990301; DE 69900004 T 19990304; EP 99400514 A 19990304; JP 4317499 A 19990222; US 25282199 A 19990219