

Title (en)

Sealing structure for a pivoting blade of a turbomachine.

Title (de)

Abdichtungsstruktur für einen schwenkbaren Schaufel einer Turbomaschine.

Title (fr)

Structure d'étanchéité pour une aube pivotante de turbomachine.

Publication

EP 0571244 B1 19950726 (FR)

Application

EP 93401205 A 19930512

Priority

FR 9206101 A 19920520

Abstract (en)

[origin: EP0571244A1] Sealing structure for a blade (8) of a turbomachine pivoting about a spindle (9). A split ring (11) is housed in a groove (10) into which it can be driven and held by a sleeve (22). When the blade is fitted, the sleeve (22) abuts against a wall of the stator (1), slides on the pivot (9) and releases the ring (11) which expands and provides sealing. The invention relates to some turbomachines in which the stator blades have what is known as variable pitch. <IMAGE>

IPC 1-7

F04D 29/32; F04D 29/08; F01D 17/16; F01D 11/00

IPC 8 full level

F01D 9/02 (2006.01); **F01D 11/00** (2006.01); **F01D 17/16** (2006.01); **F02C 7/28** (2006.01); **F04D 29/08** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)

F01D 11/003 (2013.01 - EP US); **F01D 17/162** (2013.01 - EP US); **F04D 29/083** (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US)

Cited by

GB2362927A; CN104196751A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0571244 A1 19931124; **EP 0571244 B1 19950726**; DE 69300297 D1 19950831; DE 69300297 T2 19960201; FR 2691507 A1 19931126; FR 2691507 B1 19940708; JP 2618181 B2 19970611; JP H0650103 A 19940222; US 5324165 A 19940628

DOCDB simple family (application)

EP 93401205 A 19930512; DE 69300297 T 19930512; FR 9206101 A 19920520; JP 13906793 A 19930517; US 5876093 A 19930510