

Title (en)

Bladed rotor especially for a turbomachine

Title (de)

Beschaufelter Rotor besonders für eine Turbomaschine

Title (fr)

Ensemble d'un disque rotatif et d'aubes, notamment utilisé dans un turbomachine

Publication

**EP 0709549 B1 19980930 (FR)**

Application

**EP 95402376 A 19951025**

Priority

FR 9412785 A 19941026

Abstract (en)

[origin: EP0709549A1] The assembly consists of a disc which turns about an axis of rotation and has a series of peripheral recesses for the roots of the blades (5), each of which has a platform (6) with two axial rails and a partition (7). Each of the blades has two reinforcing members (9) which extend in planes perpendicular to the disc's axis of rotation between the platform and blade root and on both sides of the partition, forming cavities (10) to receive two adjacent blades. Each cavity contains a seal element (12) and inertia weight (13).

IPC 1-7

**F01D 11/00**; F01D 5/22

IPC 8 full level

**F01D 5/22** (2006.01); **F01D 5/32** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

**F01D 5/22** (2013.01 - EP US); **F01D 11/006** (2013.01 - EP US); **Y10S 416/50** (2013.01 - EP US)

Cited by

FR2970033A1; FR3109403A1; EP2884049A1; US10138756B2; WO2012093217A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0709549 A1 19960501**; **EP 0709549 B1 19980930**; DE 69505085 D1 19981105; DE 69505085 T2 19990506; FR 2726323 A1 19960503; FR 2726323 B1 19961213; US 5599170 A 19970204

DOCDB simple family (application)

**EP 95402376 A 19951025**; DE 69505085 T 19951025; FR 9412785 A 19941026; US 54401995 A 19951017