

Title (en)

Disk of a turbomachine rotor with an axial retention device for the blades

Title (de)

Turbomaschinenrotorscheibe mit einer Axialhalterung für die Laufschaufeln

Title (fr)

Disque de rotor d'une turbomachine avec un dispositif de retenue axiale d'aubes

Publication

**EP 1584794 B1 20160727 (FR)**

Application

**EP 05290544 A 20050310**

Priority

FR 0403738 A 20040409

Abstract (en)

[origin: EP1584794A1] The device has an annular flange (40) whose internal radial edge (44) is mounted in an annular groove (32) of a disk (10) and an external radial edge (48) is supported on a foot (14) of a blade (12). A circular bolt (42) immobilizes the flange in rotation of the groove. The bolt is movable in rotation of the groove between a locking position of the flange, and mounting and demounting position of the flange in the groove.

IPC 8 full level

**F01D 5/30** (2006.01); **F01D 5/02** (2006.01)

CPC (source: EP US)

**F01D 5/3015** (2013.01 - EP US)

Cited by

WO2011092439A1; FR2955889A1; EP1795709A3; FR2940351A1; EP2224098A3; FR3018548A1; FR3092861A1; EP2643554A4; EP3179049A1; CN107013258A; FR3020408A1; EP3179050A1; FR3085994A1; FR3139855A1; US10330020B2; US11066940B2; US8096776B2; US10036268B2; US9784114B2; US10047865B2; US9033666B2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 1584794 A1 20051012; EP 1584794 B1 20160727**; CA 2503011 A1 20051009; CA 2503011 C 20120911; FR 2868808 A1 20051014; FR 2868808 B1 20080829; JP 2005299649 A 20051027; JP 4656983 B2 20110323; RU 2005110332 A 20061020; RU 2358116 C2 20090610; UA 85046 C2 20081225; US 2005271511 A1 20051208; US 7371050 B2 20080513

DOCDB simple family (application)

**EP 05290544 A 20050310**; CA 2503011 A 20050407; FR 0403738 A 20040409; JP 2005105695 A 20050401; RU 2005110332 A 20050408; UA A200503284 A 20050408; US 8558505 A 20050322