

Title (en)  
Redundant blade retention system

Title (de)  
Doppelte Schaufelblatthalterung

Title (fr)  
Système de rétention des aubes de type combine ou cascade

Publication  
**EP 1223309 B1 20050608 (FR)**

Application  
**EP 02290048 A 20020110**

Priority  
FR 0100294 A 20010111

Abstract (en)  
[origin: US2002090300A1] A turbojet engine fan rotor including a rotor disk having a peripheral rim with a plurality of axially extending channels carrying a plurality of fan blades each having a blade root interengaging with the channels of the disk, and a mounting arrangement for securing the blades to the disk. The mounting arrangement includes an annular member having a plurality of radially extending teeth, a plurality of wedges each interposed between one of the blade roots and a corresponding one of the channels and including a radially extending boss provided at one end, and a plurality of radially extending protrusions from the disk. The plurality of teeth and the plurality of protrusions cooperate with one another to secure the annular member with the rotor disk.

IPC 1-7  
**F01D 5/30**

IPC 8 full level  
**F04D 29/34** (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP US)  
**F01D 5/3015** (2013.01 - EP US); **F01D 5/323** (2013.01 - EP US)

Cited by  
FR2996584A1; EP1995467A4; FR2930595A1; RU2487250C2; EP1849962A1; FR2900437A1; US7824157B2; US9453414B2; US8092183B2

Designated contracting state (EPC)  
DE ES FR GB IT SE

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