

Title (en)
Rotor disk including a balancing device

Title (de)
Turbinenrotorscheibe mit einer Auswuchteinrichtung

Title (fr)
Disque de rotor comportant un dispositif d'équilibrage

Publication
EP 1564372 A1 20050817 (FR)

Application
EP 05100778 A 20050204

Priority
FR 0450217 A 20040206

Abstract (en)
The device has housings arranged in a rim (18), and balance weights (30, 40) placed in the housings. The housings are situated under a platform (32) that supports blades (20). A spring retaining ring is laterally positioned against the rim in order to partially close openings of the housings. The housings include cavities whose openings lead to respective sides of the rim. An intermediate channel connects the cavities. An independent claim is also included for a rotor including a disk and a disk balancing device.

Abstract (fr)
Le dispositif d'équilibrage est appliqué à un disque (14) de rotor (10) ayant une jante (18). Il comporte des logements (36, 38) ménagés dans la jante (18), des masselottes d'équilibrage (40, 30) placées dans les logements (36, 38), les logements (36, 38) étant obturés par un jonc d'arrêt (44, 442, 444). Application à un rotor (10) ayant des disques aubagés monoblocs (14). <IMAGE>

IPC 1-7
F01D 5/02

IPC 8 full level
F01D 5/10 (2006.01); **F01D 5/02** (2006.01); **F01D 25/04** (2006.01)

CPC (source: EP US)
F01D 5/02 (2013.01 - EP US); **F01D 5/027** (2013.01 - EP US); **Y10S 416/50** (2013.01 - EP US)

Citation (search report)

- [Y] US 5373922 A 19941220 - MARRA JOHN J [US]
- [Y] US 5018943 A 19910528 - CORSMEIER ROBERT J [US], et al
- [Y] US 3748060 A 19730724 - HUGOSON B, et al
- [A] US 4355957 A 19821026 - SIFFORD PERRY P, et al
- [A] GB 805371 A 19581203 - ROLLS ROYCE
- [A] US 4803893 A 19890214 - BACHINSKI ROBERT A [US]

Cited by
FR3102205A1; EP3006667A1; FR3028781A1

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

DOCDB simple family (publication)
EP 1564372 A1 20050817; **EP 1564372 B1 20130710**; CA 2495848 A1 20050806; CA 2495848 C 20130122; FR 2866057 A1 20050812; FR 2866057 B1 20060428; JP 2005220908 A 20050818; JP 4856879 B2 20120118; RU 2005102783 A 20060710; RU 2362028 C2 20090720; US 2005191181 A1 20050901; US 7347672 B2 20080325

DOCDB simple family (application)
EP 05100778 A 20050204; CA 2495848 A 20050202; FR 0450217 A 20040206; JP 2005023374 A 20050131; RU 2005102783 A 20050204; US 4668005 A 20050201