

Title (en)

Rotor of a turbomachine comprising a disk reinforced by a composite ring

Title (de)

Rotor einer Turbomaschine mit einer mittels einem Faserverbundring verstärkten Rotorscheibe

Title (fr)

Rotor de turbomachine comprenant au moins un disque renforce par un anneau composite

Publication

**EP 1739282 A1 20070103 (FR)**

Application

**EP 06116258 A 20060628**

Priority

FR 0506629 A 20050629

Abstract (en)

A turbine engine rotor incorporates at least one disc (11) fitted with a composite annulus (18) fitted in the radial part closest to the innermost part of the disc. The annulus is lodged in a closed annular cavity arranged in an enlarged part (14) of the disc, in the form of a hub. The annular cavity is formed by an annular throat (16) machined in the enlarged part of the disc and closed by an annular metal plate (20) after the annulus is put in place. Independent claims are also included for : (1) a rotor disc incorporating the composite annulus; (2) the fabrication of the rotor disc.

IPC 8 full level

**F01D 5/28** (2006.01); **C22C 47/14** (2006.01); **F04D 29/02** (2006.01)

CPC (source: EP US)

**C22C 49/00** (2013.01 - EP US); **F01D 5/282** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/321** (2013.01 - EP US); **F05D 2230/237** (2013.01 - EP US); **F05D 2300/133** (2013.01 - EP US); **F05D 2300/2112** (2013.01 - EP US); **F05D 2300/2261** (2013.01 - EP US); **F05D 2300/6032** (2013.01 - EP US); **F05D 2300/614** (2013.01 - EP US)

Citation (search report)

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CN102031466A

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1739282 A1 20070103**; **EP 1739282 B1 20180103**; CA 2551342 A1 20061229; CA 2551342 C 20130910; FR 2887919 A1 20070105; FR 2887919 B1 20101231; US 2007086896 A1 20070419; US 7334999 B2 20080226

DOCDB simple family (application)

**EP 06116258 A 20060628**; CA 2551342 A 20060628; FR 0506629 A 20050629; US 42710606 A 20060628