

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)

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Citation (search report)

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