

Title (en)

SEALING SYSTEM FOR A ROTOR OF A TURBO ENGINE

Title (de)

DICHTSYSTEM FÜR EINEN ROTOR EINER STRÖMUNGSMASCHINE

Title (fr)

SYSTEME D'ETANCHEITE POUR UN ROTOR D'UNE TURBOMACHINE

Publication

EP 1180197 A1 20020220 (DE)

Application

EP 00938559 A 20000515

Priority

- DE 0001550 W 20000515
- DE 19922256 A 19990514

Abstract (en)

[origin: WO0070191A1] The invention relates to a turbo engine (1), especially a gas turbine, with a rotor (25) that extends along an axis of rotation (15). Said rotor (25) comprises a peripheral surface (31) that is defined by the outer radial delimiting surface of the rotor (25) and a receiving structure (33) and a first rotor blade (13A) and a second rotor blade (13B) which have each a blade root (43A, 43B) and a blade platform (17A, 17B). The blade platform (17A) of the first rotor blade (13A) and the blade platform (17B) of the second rotor blade (13B) adjoin. The blade platforms (17A, 17B) and the peripheral surface (31) define between them an intermediate space (49). A sealing system (51) is provided on the peripheral surface (31) in the intermediate space (49), said sealing system being of the labyrinth box type.

IPC 1-7

F01D 11/00

IPC 8 full level

F01D 11/02 (2006.01); **F01D 11/00** (2006.01); **F02C 7/28** (2006.01); **F16J 15/447** (2006.01)

CPC (source: EP KR US)

F01D 11/00 (2013.01 - KR); **F01D 11/006** (2013.01 - EP US); **F01D 11/008** (2013.01 - EP US)

Citation (search report)

See references of WO 0070191A1

Cited by

US10851661B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

WO 0070191 A1 20001123; CA 2372740 A1 20001123; CN 1360660 A 20020724; EP 1180197 A1 20020220; JP 2002544430 A 20021224; KR 20020005747 A 20020117; US 6682307 B1 20040127

DOCDB simple family (application)

DE 0001550 W 20000515; CA 2372740 A 20000515; CN 00810134 A 20000515; EP 00938559 A 20000515; JP 2000618586 A 20000515; KR 20017014507 A 20011114; US 97940102 A 20020228