

Title (en)
TURBO-MACHINE COMPRISING A SEALING SYSTEM FOR A ROTOR

Title (de)
STRÖMUNGSMASCHINE MIT EINEM DICHTSYSTEM FÜR EINEN ROTOR

Title (fr)
TURBOMACHINE COMPORTANT UN SYSTEME D'ETANCHEITE POUR UN ROTOR

Publication
EP 1180196 A1 20020220 (DE)

Application
EP 00925282 A 20000512

Priority
• EP 00925282 A 20000512
• EP 0004317 W 20000512
• EP 99109630 A 19990514

Abstract (en)
[origin: WO0070193A1] The invention relates to a turbo-machine (1) comprising a rotor (25) that extends along a rotational axis (15). Said rotor (25) has a peripheral surface (31) which is defined by the outer radial delimitation surface of the rotor (25) and has a receiving structure (33) as well as a first moving blade (13A) and a second moving blade (13B). Each moving blade comprises a blade footing (43A, 43B) and a blade platform (17A, 17B). The blade platform (17A) of the first moving blade (13A) and the blade platform (17B) of the second moving blade (13B) border one another, and a gap (49) is formed between the blade platforms (17A, 17B) and the peripheral surface (31). A sealing system (51) is provided in the gap (49) on the peripheral surface (31).

IPC 1-7
F01D 11/00

IPC 8 full level
F01D 5/30 (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)

Citation (search report)
See references of WO 0070193A1

Cited by
CN111058899A; US10851661B2

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 0070193 A1 20001123; CA 2372875 A1 20001123; CN 1252376 C 20060419; CN 1354820 A 20020619; DE 50009550 D1 20050324; EP 1180196 A1 20020220; EP 1180196 B1 20050216; JP 2002544432 A 20021224; KR 20020005034 A 20020116; US 6565322 B1 20030520

DOCDB simple family (application)
EP 0004317 W 20000512; CA 2372875 A 20000512; CN 00808675 A 20000512; DE 50009550 T 20000512; EP 00925282 A 20000512; JP 2000618588 A 20000512; KR 20017014510 A 20011114; US 97967802 A 20020305