

Title (en)

Method and device for adjustment of a radial clearance of a compressor of an axial turbomachine

Title (de)

Verfahren und Vorrichtung zur Einstellung eines Radialspaltes eines axial durchströmten Verdichters einer Strömungsmaschine

Title (fr)

Méthode et dispositif pour l'ajustement d'un jeu radial d'un compresseur axial dans une turbomachine

Publication

**EP 1717419 A1 20061102 (DE)**

Application

**EP 05009380 A 20050428**

Priority

EP 05009380 A 20050428

Abstract (en)

Coolant (51) such as air or water is circulated into a guide ring (21), facing the rubbing edge (35) of a rotor blade (15), prior to starting the axial flow fluid machine. The coolant circulation is halted once the machine is started, during which steam or hot air is circulated into the guide ring. Independent claims are included for the following: (1) a compressor; and (2) a device for adjusting radial clearance in an axial flow fluid machine.

IPC 8 full level

**F01D 11/24** (2006.01); **F01D 19/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

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**EP 05009380 A 20050428**; AT 05009380 T 20050428; CN 200610075284 A 20060418; CN 201010175874 A 20060418; DE 502005010381 T 20050428; JP 2006120073 A 20060425; US 41387106 A 20060428