

Title (en)

ROTOR FOR AN AXIAL FLOW TURBOMACHINE

Title (de)

ROTOR FÜR EINE AXIAL DURCHSTRÖMBARE STRÖMUNGSMASCHINE

Title (fr)

ROTOR POUR TURBOMACHINE À FLUX AXIAL

Publication

**EP 2173972 A1 20100414 (DE)**

Application

**EP 08787065 A 20080808**

Priority

- EP 2008060480 W 20080808
- EP 07015785 A 20070810
- EP 08787065 A 20080808

Abstract (en)

[origin: EP2025867A1] The rotor (12) has multiple rotor discs (10,14,16,24,26) that are arranged in stacks and clamped together with a tie rod (58). The rotor discs (24,26) of the rotor comprises a smaller outer diameter than one of the neighboring rotor discs (16) and that the difference in diameter is compensated by a drum (28) surrounding the rotor disc with the smaller outer diameter as a ring. An independent claim is included for a gas turbine with a compressor.

IPC 8 full level

**F01D 5/06** (2006.01)

CPC (source: EP US)

**F01D 5/06** (2013.01 - EP US); **F01D 5/28** (2013.01 - EP US); **F04D 29/053** (2013.01 - EP US); **F04D 29/321** (2013.01 - EP US); **F04D 29/584** (2013.01 - EP US); **F05D 2240/20** (2013.01 - EP US); **F05D 2300/502** (2013.01 - EP US)

Citation (search report)

See references of WO 2009021927A1

Designated contracting state (EPC)

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