

Title (en)

Turbomachine and rotor for a turbomachine

Title (de)

Strömungsmaschine und Rotor für eine Strömungsmaschine

Title (fr)

Turbomachine et rotor pour une turbomachine

Publication

**EP 2787168 A3 20150415 (DE)**

Application

**EP 14002196 A 20050310**

Priority

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- EP 05715935 A 20050310
- EP 14002196 A 20050310

Abstract (en)

[origin: EP1577493A1] The rotor (3) for a turbo machine has a hollow shaft (13) supported at the ends of two axially opposite sections of the rotor and enclosing an inner cavity (51). The hollow shaft in the axial direction of the rotor is formed from several adjacent rings (43), whereby the rings lying next to one another and lying on the sections of the rotor externally define the cavity. The rotor has at least one tie bolt (7) which serves to tension compressor and turbine discs (26,39) and the rings. An independent claim is included for a turbo machine such as a gas turbine equipped with the rotor as specified in the invention.

IPC 8 full level

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Citation (search report)

- [AD] GB 836920 A 19600609 - NAPIER & SON LTD
- [AD] GB 661078 A 19511114 - WESTINGHOUSE ELECTRIC INT CO
- [A] DE 1023933 B 19580206 - CANADIAN PATENTS DEV

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DOCDB simple family (publication)

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