

Title (en)  
Rotor for a turbomachine with hollow shaft

Title (de)  
Rotor einer Strömungsmaschine mit einer Hohlwelle

Title (fr)  
Rotor pour une turbomachine avec un arbre creux

Publication  
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Application  
**EP 14002196 A 20050310**

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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.

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