

Title (en)
ROTOR FOR A TURBOMACHINE

Title (de)
ROTOR FÜR EINE STRÖMUNGSMASCHINE

Title (fr)
ROTOR POUR UNE TURBOMACHINE

Publication
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Application
EP 10715754 A 20100330

Priority

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Abstract (en)
[origin: WO2010112509A2] The invention relates to a rotor (2) for a turbomachine, comprising a shaft (6) and a longitudinal bearing disk (8) arranged thereon as an element for an axial bearing for axially supporting the shaft (6). It is proposed that the longitudinal bearing disk (8) comprise a first, cylindrical contact surface (14) for radial support on the shaft (6) and a second, conical contact surface (22) for self-centering on the shaft (6). A rotor for a turbomachine can be achieved that is designed for operation with chemically aggressive gases and can be operated at high rotational speeds in a range of over 10,000 rpm.

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Citation (search report)
See references of WO 2010112509A2

Citation (examination)
DE 499929 C 19300614 - BBC BROWN BOVERI & CIE

Citation (third parties)
Third party :
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