

Title (en)

BEARING DEVICE FOR THE ROTOR OF A ROTATING MACHINE

Title (de)

LAGERUNGSEINRICHTUNG FÜR DEN ROTOR EINER ROTIERENDEN MASCHINE

Title (fr)

DISPOSITIF PALIER POUR LE ROTOR D'UNE MACHINE TOURNANTE

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Abstract (en)

[origin: WO02061923A1] A bearing device for the rotor of a rotating machine, in particular for a hydro-generator (20), rotating about a vertical axis, comprising a combined axial and radial bearing (23), housed in a bearing body (24), on which support arms (27) are arranged to take axial forces. The support arms (27) rest with the free ends thereof on a stable base. Additional tangentially-arranged connector elements (29), for taking radial forces and for centring the bearing, are arranged between the bearing body (24) and a base body (21), surrounding the rotor, connected to the base body (21) at a first end and to connection points (31), directly arranged on the bearing body (24), at a second end. The above results in a material-saving construction, an optimisation of the individual bearing functions and improved adjustability.

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H02K 7/08

IPC 8 full level

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