

Title (en)

Rotor support structure for a turbine with an axial outlet, the bearing at the outlet side being directly and isotropically fastened to the foundation.

Title (de)

Rotorabstützung in einer Turbine mit axialem Austritt mit einer direkten, gleichförmigen Befestigung des austrittseitigen Lagers am Fundament.

Title (fr)

Système de supportage du rotor dans une turbine à échappement axial avec le palier côté échappement à raideur isotrope, directement flasqué sur la fondation.

Publication

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Application

**EP 90107624 A 19900423**

Priority

FR 8905544 A 19890426

Abstract (en)

The system comprises a wall (21) integral with a concrete raft (5) equipped with a circular orifice (22), through which the outlet (1) passes, and ties or arms (12) pass through the wall of the outlet and are fastened to the wall in order to support the bearing (7) on the outlet side. <??>An increase in the rigidity of the bearing (7) supporting the rotor makes it possible to ensure a higher stability of the bearing towards major accidents, for example, the loss of a last blade (BP). <??>Furthermore, as a result of the separation of the bearing function from the outlet bottom function of the stator, any unbalance of the rotor cannot excite a natural mode of the structure of the stator. <IMAGE>

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CPC (source: EP US)

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Citation (search report)

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