

Title (en)

Rotor support structure for a turbine with an axial outlet, the bearing at the outlet side being integrated in the foundation.

Title (de)

Rotorabstützung in einer Turbine mit axialem Austritt, wobei das austrittseitige Lager im Fundament integriert ist.

Title (fr)

Système de supportage du rotor dans une turbine à échappement axial avec le palier côté échappement intégré à la fondation.

Publication

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Application

**EP 90108120 A 19900427**

Priority

FR 8905701 A 19890428

Abstract (en)

The system comprises a wall (21) integral with the foundation and having a semicircular orifice (22), in which the lower part of the outlet (1) is accommodated. Ties pass through the wall of the outlet and are anchored at their ends in the wall (21) in the region of the orifice (22). <??>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). <??>Moreover, 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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IPC 8 full level

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CPC (source: EP US)

**F01D 25/162** (2013.01 - EP US)

Citation (search report)

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- [A] DE 3243659 A1 19830721 - UNITED TECHNOLOGIES CORP [US]
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