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

Publication

EP 0394899 B1 19930303 (FR)

Application

EP 90107624 A 19900423

Priority

FR 8905544 A 19890426

Abstract (en)

[origin: EP0394899A1] 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>

IPC 1-7

F01D 25/16

IPC 8 full level

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CPC (source: EP US)

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