

Title (en)  
CENTRIFUGAL RADIAL TURBINE

Title (de)  
ZENTRIFUGALE RADIALTURBINE

Title (fr)  
TURBINE RADIALE CENTRIFUGE

Publication  
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Application  
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Abstract (en)  
[origin: WO2015140707A1] The present invention is related to a centrifugal radial turbine comprising at least one support disc (3, 4) having a first face (9, 15) bearing at least one radial rotor stage (10, 11, 12, 13, 16, 17, 18, 19) formed by an array of blades (14, 20) arranged in succession along a respective circular path. The disc (3, 4) has through induction channels (25, 28) situated in a position radially external with respect to a respective shaft (5, 7) and radially internal with respect to the radial rotor stage (10, 11, 12, 13, 16, 17, 18, 19). At the respective through induction channels (25, 28), the disc (3, 4) comprises a plurality of induction rotor blades (26, 29) of at least one respective axial rotor stage (27, 30).

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