

Title (en)
ROTOR ARRANGEMENT OF A TURBINE

Title (de)
ROTORANORDNUNG VON EINER TURBINE

Title (fr)
AGENCEMENT DE ROTOR DE TURBINE

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Application
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Abstract (en)
[origin: WO2009019126A1] The invention relates to a rotor arrangement of a turbine for improving the sealing between the rotor (1) and a plurality of blades (2) anchored in the rotor (1) and arranged in the shape of a circumferential ring, the rotor having a plurality of substantially axially extending profiled recesses (4) in which a ring of blades (2) having corresponding blade root profiles (16) are inserted in said recesses (4) in a form-fit and/or force-fit manner in a substantially axial insertion direction (8), and the rotor (1) having surface segments or circumferential surface segments (5, 5') extending tangentially in the axial direction (A) and the circumferential direction between the recesses (4), said segments being substantially at least indirectly covered in the radial direction by lower cover bands (7) of circumferentially adjacently located blades (2). According to the invention, at least one of the tangential surface segments or circumferential surface segments (5, 5') is provided with a step (13) in the radial direction (R) and a corresponding recess (12), connecting thereto as flush as possible, is provided in the lower side of the cover band (7) of the blade (2) located thereabove. The invention further relates to corresponding rotors and blades.

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