

Title (en)
TURBOMACHINE AND SEALING ELEMENT FOR A ROTOR THEREOF

Title (de)
STRÖMUNGSMASCHINE SOWIE DICHELEMENT FÜR EINEN ROTOR EINER STRÖMUNGSMASCHINE

Title (fr)
TURBOMACHINE AINSI QU'ELEMENT D'ETANCHEITE POUR UN ROTOR D'UNE TURBOMACHINE

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Abstract (en)
[origin: WO0075491A1] The invention relates to a turbomachine (1) with a rotor (25) that extends along a rotational axis (15). Said rotor (25) has a rotor shaft groove (31) with a groove base (33) and a rotor blade (13) with a blade footing (35). Said blade footing (35) is introduced into the rotor shaft groove (31) and a gap (37) is formed between the blade footing (35) and the groove base (33). A sealing element (39) is provided for sealing said gap (37). Said sealing element is at least partially accommodated by the blade footing (35) and is mobile in relation to the same. The invention also relates to a sealing element (39), especially for a rotor (25) of a turbomachine (1), comprising a first partial sealing element (53A) and a second partial sealing element (53B). The inventive sealing element (39) performs its sealing action under the influence of an external force, especially the centrifugal force.

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