

Title (en)

POSITIVE BIASED PACKING RING BRUSH SEAL COMBINATION

Title (de)

POSITIV BELASTETE DICHT- UND BÜRSTENRINGKOMBINATION

Title (fr)

COMBINAISON DE JOINT A BROSSSE TOROIDALE ET DE BAGUE D'ETANCHEITE SOLLICITEE POSITIVEMENT

Publication

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Application

EP 00913310 A 20000201

Priority

US 0002479 W 20000201

Abstract (en)

[origin: WO0157420A1] Circumferentially extending sealing segments (45) are disposed about a rotary component (16) and have seal face (34) carrying a plurality of labyrinth seal teeth (36) and a brush seal (37). The segments are movable between large and small clearance positions relative to the rotor at start-up and steady-state operating conditions, respectively. In one form, springs (31) bias the segments radially outwardly at start-up and steam pressure displaces the segments to the small clearance positions at steady-state operations. In a further embodiment, springs bias the segment for movement to the small clearance position, the extent of movement being determined by thermal expansion of centering rings mounting the segments to the stationary components.

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IPC 8 full level

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