

Title (en)
TURBO ENGINE WITH IMPROVED COMPENSATING PISTON GASKET

Title (de)
STRÖMUNGSMASCHINE MIT VERBESSERTER AUSGLEICHSKOLBENDICHTUNG

Title (fr)
TURBOMACHINE AVEC JOINT DE PISTON D'ÉQUILIBRAGE AMÉLIORÉ

Publication
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Application
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Priority
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Abstract (en)
[origin: WO2009112064A1] A turbo engine comprises: An outer housing (2) with an inner housing (6) arranged therein, in particular a guide vane carrier with an impeller shaft (10) arranged therein; a cover (4; 8) which is attached to the outer housing (2) and which separates an inlet pressure (p1) in the interior of the outer housing (2) from an ambient pressure (pu) outside of the outer housing; and a compensating piston gasket (22) for contactless sealing of an outlet pressure (p2) in a working chamber defined between the impeller shaft (10) and the inner housing (6), in particular a compression chamber (16), against the inlet pressure (p1), wherein the compensating piston gasket (22) is attached to the cover (4; 8).

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