

Title (en)

TURBO-MACHINE WITH A BALANCE PISTON

Title (de)

STRÖMUNGSMASCHINE MIT ENTLASTUNGSKOLBEN

Title (fr)

TURBOMACHINE AVEC PISTON D'ALLEGEMENT

Publication

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Application

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Abstract (en)

[origin: US5713720A] PCT No. PCT/EP96/00185 Sec. 371 Date Sep. 17, 1996 Sec. 102(e) Date Sep. 17, 1996 PCT Filed Jan. 17, 1996 PCT Pub. No. WO96/22468 PCT Pub. Date Jul. 25, 1996 Fluid-flow machine having shaft (1) which is mounted in an axially fixed fashion, and a balancing piston (6) firmly arranged thereon. In order to reduce the leakage flow, the balancing piston (6) is partially replaced by a porting ring (12) which forms with the balancing piston a choke gap (11), through which radial flow occurs, and a cylindrical upstream throttle (13) through which axial flow occurs.

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