

Title (en)
ROTARY PISTON POSITIVE-DISPLACEMENT MACHINE

Publication
EP 0201774 B1 19880831 (DE)

Application
EP 86105671 A 19860424

Priority
CH 178085 A 19850426

Abstract (en)
[origin: US4715797A] In a rotary-piston displacement machine, as is suitable, for example, for supercharging internal combustion engines, having at least two spiral-like delivery chambers in a stationary housing and spiral-like displacers engaging therein which execute a circulating, torsion-free movement with respect to the delivery chambers, the displacers are arranged on an eccentrically driven, disk-shaped rotor. The rotor is driven via a shaft centrally arranged in the inside of the housing. The two spirals run centro-symmetrically to one another in such a way that their suction-side ends are arranged around the drive bearings and at the same time cool the latter with fresh air. The air is delivered outwards from the inside of the housing, as a result of which heat dissipation of the outer housing parts during compression is provided for, which housing parts are provided with cooling ribs.

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F01C 1/02

IPC 8 full level
F04C 18/06 (2006.01); **F01C 1/02** (2006.01)

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Cited by
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