

Title (en)
INTERNAL-AXIS ROTARY PISTON MACHINE

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Application
EP 86109614 A 19860714

Priority
CH 374185 A 19850831

Abstract (en)
[origin: ES2001217A6] The external rotor of a single-rotation machine has engagement spaces, whose boundary faces in the inward direction form a widening, which is adjacent in an outer region radial thereto to parallel surfaces or surfaces forming a widening in the outward direction. The side walls axially bounding these engagement spaces have a radially outer part, which is cast in one piece with the peripheral parts of the external rotor and an inner part radial thereto, which subsequently reduces to a circular opening the opening surrounded by the radially outer parts, so that the radial seal between side walls and a stationary sealing member surrounded by said opening is located radially within the peripheral parts of the external rotor and a sealing gap in the radial plane between the peripheral parts and the sealing member is avoided. The joining of peripheral parts and the radially outer side wall parts in one piece makes it possible to obtain the necessary high dimensional accuracy required for a good machine efficiency and this is accompanied by low manufacturing costs.

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B22C 9/10; F01C 1/10

IPC 8 full level
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