

Title (en)
SCROLL-TYPE COMPRESSOR OR VACUUM PUMP

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR OU POMPE A VIDE A SPIRALES

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Application
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Abstract (en)
[origin: WO0123761A1] The invention concerns closed system rotary machines, wherein a base cell of the closed system compresses a gas fluid, comprising a mobile rotor (1), consisting of two scrolls of opposite direction, defined by all kinds of mathematical curves, including arcs, preferably having common tangents at their junction points (B, B1, B2, B3,...), any point of the rotor describing a circle with radius E, and forming the same angle, at the same time, with its starting point, while the cell of the fixed stator (2) is the housing of several successive positions of the rotor (1), the open loop is linked to the suction part (As) and the closed loop to the delivery part (Re). The invention is applicable to self-lubricating or liquid injection air or gas compressor or vacuum pumps.

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