

Title (en)
VARIABLE-DISPLACEMENT SCREW-TYPE COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER MIT EINSTELLBAREM FÖRDERVOLUMEN

Title (fr)
COMPRESSEUR A VIS, A VOLUME DEPLACE REGLABLE

Publication
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Application
EP 96916080 A 19960515

Priority
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Abstract (en)
[origin: DE19519262A1] The invention relates to a variable-displacement screw-type compressor with at least one main rotor and at least one subsidiary rotor which are fitted in the same housing (2), mesh together and convey a medium to be compressed from an inlet pipe (62) to an outlet pipe, in which the inlet pipe (62) is bounded by at least one housing segment (38, 40, 42, 44) fitted to slide in the housing (12) which follows the shape of the rotor casings on its sealing side (48, 50, 52, 54) facing the rotors. To provide a screw-type compressor which is hard-wearing, highly efficient and simple to build, according to the invention at least one housing segment (38, 40, 42, 44) is guided and movable in a shaft transversely to the rotor axes (26, 28).

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F04C 29/10; F04C 18/16

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