

Title (en)
MULTI-STEP HELICAL SCREW COMPRESSOR UNIT

Title (de)
MEHRSTUFIGES SCHRAUBENKOMPRESSORAGGREGAT

Title (fr)
GROUPE DE COMPRESSEURS À VIS À PLUSIEURS ÉTAGES

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Application
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Abstract (en)
[origin: WO2007065484A1] The invention relates to a helical screw compressor which comprises two rotors (7, 9) having ribs (7', 9) which extend a screw-like manner and grooves which engage with each other in a combing and sealing manner. The total number of ribs of both rotors is at least 14, and the height (H) of the grooves is no more than 0,15 times the external diameter (Da) of the rotor profile (7) and/or (9). The shaft journals of the rotors have a diameter which is not smaller than half of the external diameter (Da) of the rotor profile.

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