

Title (en)  
MULTI-STEP HELICAL SCREW COMPRESSOR UNIT

Title (de)  
MEHRSTUFIGES SCHRAUBENKOMPRESSORAGGREGAT

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

Publication  
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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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• US 4068984 A 19780117 - SPINDLER WALTER G  
• JP S614889 A 19860110 - HITACHI LTD

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EP 1957798 B1 20110209; EP 1957799 A1 20080820; EP 1979618 A1 20081015; EP 1979618 B1 20160427; ES 2359015 T3 20110517;  
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