

Title (en)  
GEARED COMPRESSOR ROTOR FOR COLD GAS APPLICATIONS

Title (de)  
GETRIEBEVERDICHTERROTOR FÜR KALTGASANWENDUNGEN

Title (fr)  
ROTOR DE COMPRESSEUR COMMANDÉ PAR ENGRENAGES POUR APPLICATIONS POUR GAZ FROIDS

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Application  
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Abstract (en)  
[origin: WO2010112423A1] The invention relates to a geared compressor rotor (2) for cold gas applications having a pinion shaft (16) having a gear tooth segment (18) having gear teeth (14), at least one wheel (6) having a wheel hub (8) and a sealing segment (10) arranged between the gear tooth segment (14) and the wheel hub (8) that bears a seal (12). Said geared compressor rotor (2) also has high strength even in low temperature applications when the wheel hub (8) and the sealing segment (10) form a common, one-piece, connected region (4) made of a first material and the gear tooth segment (18) is produced from a second material.

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