

Title (en)  
COMPRESSOR

Title (de)  
VERDICHTER

Title (fr)  
COMPRESSEUR A VIS

Publication  
**EP 1687539 A1 20060809 (EN)**

Application  
**EP 04775488 A 20040930**

Priority  
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• SE 0302739 A 20031017

Abstract (en)  
[origin: WO2005038257A1] A helical screw rotor compressor (K) adapted for working against a pressure container (T) whose pressure P is allowed to vary between a lowest pressure P2 and a highest pressure P1, said compressor being driven by an electric motor (M). The electric motor (M) is characterised by having in one operating range defined by the pressure interval P of said pressure container a quality such that halving of the torque of said motor will result an increase in motor speed of at least 6 percent. It is also preferred that the compressor is optimised for an internal volume factor at which the pressure of the compressor will be lower than  $P2+0.85 \cdot (P1-P2)$  at the opening instance.

IPC 8 full level  
**F04C 18/16** (2006.01); **F04C 28/08** (2006.01)

IPC 8 main group level  
**F04C** (2006.01)

CPC (source: EP KR US)  
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Citation (search report)  
See references of WO 2005038257A1

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