

Title (en)  
MULTI-STAGE SCREW COMPRESSOR

Title (de)  
MEHRSTUFIGER SCHRAUBENVERDICHTER

Title (fr)  
COMPRESSEUR A VIS A PLUSIEURS ETAGES

Publication  
**EP 1387961 A1 20040211 (EN)**

Application  
**EP 01969980 A 20010925**

Priority  
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Abstract (en)  
[origin: WO0225115A1] The invention relates to improvements in the drive of a multi-stage screw compressor using independent electronic motors with electronic speed control. A multi-stage screw compressor comprises at least tow stages of compression, each compressor stage comprising a pair of rotors driven to effect gas compression. Each compression stage is provided with independent variable speed drive means, and a control unit for controlling the speeds of the independent drive means. The control unit comprises processing means for processing signals generated by a plurality of devices monitoring operating parameters of the compressor, and adjusting the speed of the drive means to provide a required gas flow delivery rate and pressure, wherein at least one of said monitoring devices monitors the torque and at least one of said monitoring devices monitors the speed of each drive means.

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