

Title (en)  
Process for operating a screw-type compressor

Title (de)  
Verfahren zum Betreiben eines Schraubenverdichters

Title (fr)  
Procédé de commande d'un compresseur à vis

Publication  
**EP 1072796 B1 20041013 (DE)**

Application  
**EP 00115787 A 20000721**

Priority  
DE 19935041 A 19990726

Abstract (en)  
[origin: EP1072796A2] The cylinder chamber(44) of the compressor has a backflow orifice(58) and at least one intermediate backflow orifice(74,76) establishing a minimum position(Mi) and intermediate position(Z1,Z2) respectively. The control unit(66) in the mode for stepless control of the piston positions in a range between the intermediate position and minimum position activates the backflow orifice, and for stepless control of the piston positions outside the range between the intermediate position and minimum position activates the intermediate backflow orifice. An Independent claim is included for a control unit which activates feed flow in an established cycle.

IPC 1-7  
**F04C 18/16**; **F04C 29/10**

IPC 8 full level  
**F03C 2/00** (2006.01); **F04C 18/16** (2006.01); **F04C 28/12** (2006.01)

CPC (source: EP US)  
**F04C 28/125** (2013.01 - EP US)

Cited by  
DE10258145A1; US2014127067A1; US10030653B2; DE10242139A1; CN102734158A; EP2505841A3; US9169840B2; US7201569B2; WO2005085644A1; EP1775474A2; US7481634B2; US6898948B2; EP3922813A1; DE102020115442A1

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