

Title (en)
Screw-type compressor

Title (de)
Schraubenverdichter

Title (fr)
Compresseur à vis

Publication
EP 1072796 A3 20020710 (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)

Citation (search report)

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- [XY] PATENT ABSTRACTS OF JAPAN vol. 018, no. 512 (M - 1679) 27 September 1994 (1994-09-27)
- [X] PATENT ABSTRACTS OF JAPAN vol. 008, no. 154 (M - 310) 18 July 1984 (1984-07-18)

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Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1072796 A2 20010131; **EP 1072796 A3 20020710**; **EP 1072796 B1 20041013**; AT E279652 T1 20041015; DE 19935041 A1 20010208; DE 50008197 D1 20041118; US 6276911 B1 20010821

DOCDB simple family (application)
EP 00115787 A 20000721; AT 00115787 T 20000721; DE 19935041 A 19990726; DE 50008197 T 20000721; US 62490300 A 20000725