



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
07.02.2001 Bulletin 2001/06

(51) Int. Cl.⁷: **F04B 27/18**

(43) Date of publication A2:
02.08.2000 Bulletin 2000/31

(21) Application number: **00101797.9**

(22) Date of filing: **28.01.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **29.01.1999 JP 2144099**

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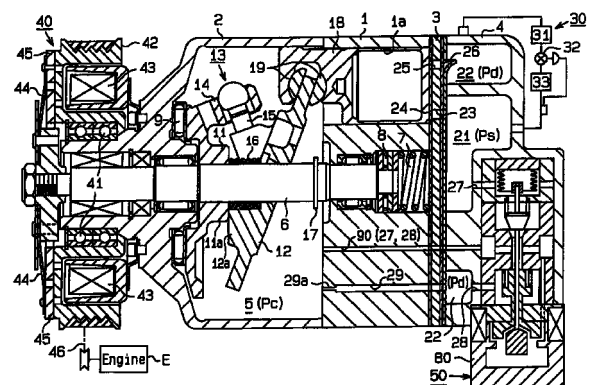
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(54) **Control valve for variable displacement compressor**

(57) A displacement control valve adjusts the pressure in a crank chamber (5) of a compressor to vary the displacement of the compressor. The control valve has a first valve mechanism (60), a second valve mechanism (70) and a solenoid mechanism (80). The solenoid mechanism (80) independently actuates the first and second valve mechanisms (60, 70). The first valve mechanism (60) selectively opens and closes a supply passage (28) of the compressor. The second valve mechanism (70) adjusts the flow rate of gas through a bleed passage (27) of the compressor. The second valve mechanism (70) includes a second valve opening (72), a second valve element (73), a bellows (76) and a second plunger (83). The second valve element (73) and the bellows (76) are accommodated in a single pressure chamber (71). The pressure of a suction chamber is introduced to the pressure chamber (71). The control valve has a relatively simple structure and is thus inexpensive and compact.

Fig.1





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Application Number
EP 00 10 1797

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 December 2000	Examiner Ingelbrecht, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)

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