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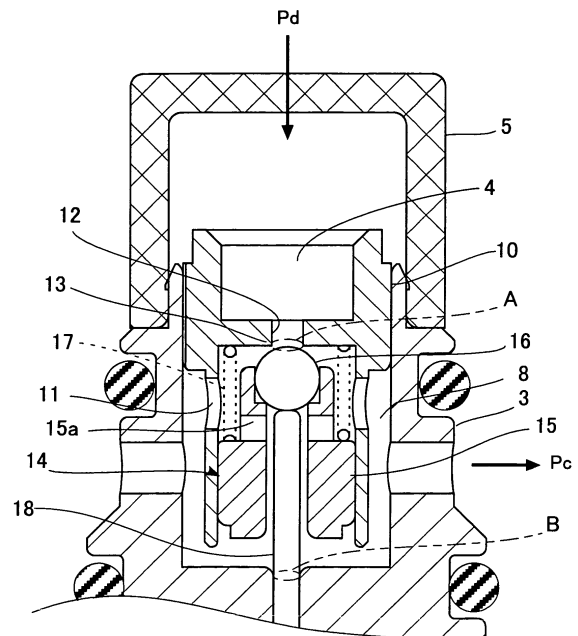
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(54) **Control valve for variable displacement compressor**

(57) A control valve for performing a Pd-Ps differential pressure control method in a variable displacement compressor adjusts the difference between an effective pressure-receiving area A on a discharge pressure side of an intermediate structure in which a valve element 14 is made to move in unison with a shaft 18 and an effective pressure-receiving area B on a suction pressure side of the intermediate structure, as required. This allows to obtain desired "differential pressure · crank pressure characteristics" according to the specifications of the control valve. Changes in the effective pressure-receiving areas have almost no influence on "electric current · differential pressure characteristics", i.e. the relationship between the value of the supplied electric current and the differential pressure (Pd-Ps), and hence it is possible to realize the changes in the effective pressure-receiving areas A, B with ease.



**FIG. 2**



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			F04B
Place of search		Date of completion of the search	Examiner
Munich		26 September 2006	Pinna, Stefano
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	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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