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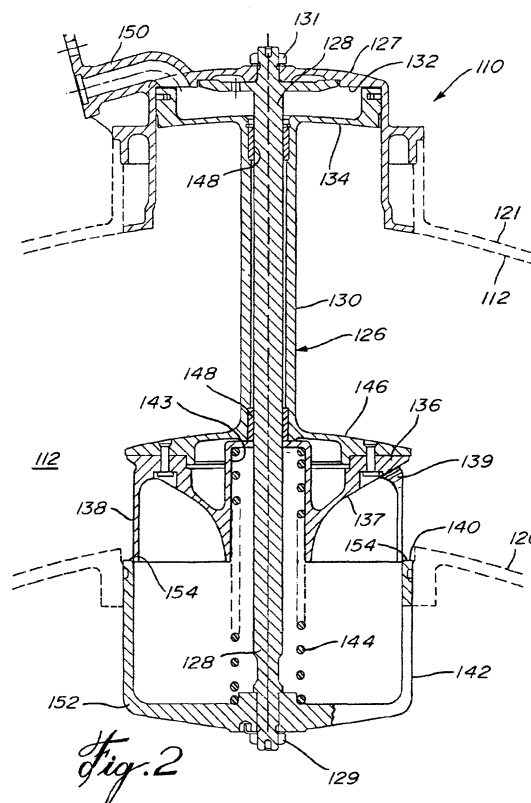
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(54) **Compressor bleed valve**

(57) A bleed valve 110 is in fluid communication with the compressor fluid flow path and the bypass fluid flow path 112 whereby a piston 126 extends radially of the valve 110 and includes a piston head 134 radially remote from the compressor fluid flow path. A pneumatic chamber 132 surrounds a portion of the piston head 134, and air from a source downstream of the impeller is introduced into the chamber. The piston including a valving member 136 and a rigid sleeve 130 connecting the piston head 134 to the valving means opens or closes the communication between the compressor flow path and the bypass flow path 112. A precompressed spring 144 is associated with the piston to normally urge the piston 120 radially outwardly relative to the compressor fluid flow path to a valve open position, and when the pneumatic pressure in the chamber surrounding the piston head overcomes the precompressed spring, the valve is closed.



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EUROPEAN SEARCH REPORT

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EP 99 30 1044

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 15 November 2000	Examiner Fistas, N
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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