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54 Improvements relating to gas compressor apparatus.

57 In a single cylinder piston and cylinder air compressor, transmission noise and stresses are reduced by a valve arrangement (16,21) driven by an eccentric (14) of the compressor crankshaft to vent the compression chamber at or near its minimum volume thereby reducing the cyclic torque reversal which occurs.

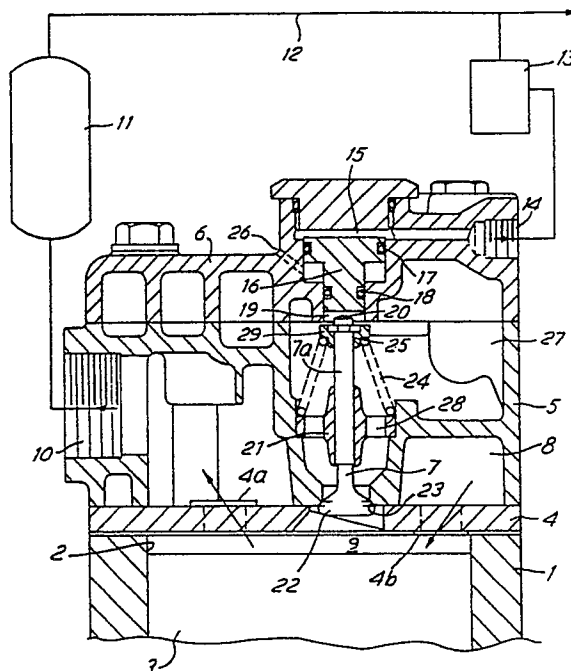


FIG.1

EP 0 293 213 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 88304809.2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	<u>GB - A - 2 158 888</u> (BENDIX) * Totality; especially page 1, lines 30-43 * --	1	F 04 B 39/00 F 04 B 49/02
A	<u>DE - C - 138 907</u> (GRAHAM) * Totality; especially claim; fig. 1 * --	1	
A	<u>FR - A - 433 191</u> (RUEFF) * Totality; especially fig. 1,2; pos.no. r,s,p,q * --	1	
A	<u>GB - A - 455 102</u> (RIDLEY) * Totality; especially claims 1-6; page 3, lines 3-69; fig. * --	1	
A	<u>FR - A - 963 663</u> (AIR-EQUIPEMENT) * Totality * ----	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 4) B 60 T 17/00 F 04 B 39/00 F 04 B 49/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 07-09-1989	Examiner WERDECKER
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			