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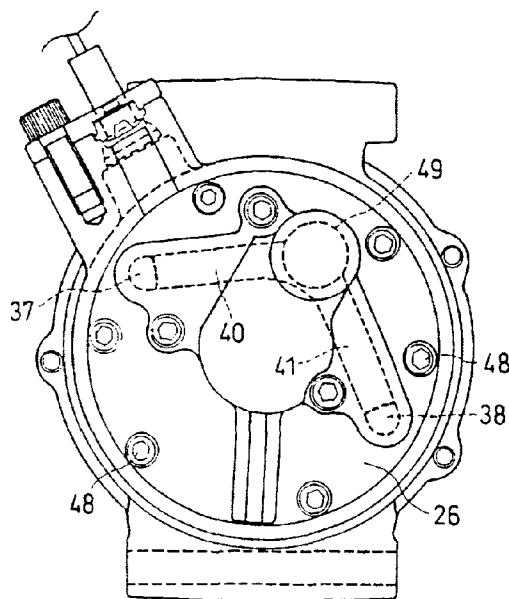
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(54) **Gas compressor**

(57) A gas compressor has a cylinder chamber (27) provided with discharge holes. Openings (37,38) are in communication with respective discharge holes. Discharge passages (40,41) having the same length are connected with respective openings (37,38). The ends of the discharge passages are connected with a common passage (49). During operation of the cylinder

chamber (27), discharge valves cause the expelled gas to produce pulsations on the upstream side of the two openings (37,38). The pulsations are shifted in phase by a half wavelength. Noise due to the pulsations is reduced, because the pulsations of the expelled gas cancel out each other when the gas flows through the common passage (49).

FIG. 2



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	PATENT ABSTRACTS OF JAPAN vol. 006, no. 256 (M-179), 15 December 1982 & JP 57 151090 A (MITSUBISHI JUKOGYO KK), 18 September 1982, * abstract *	1,2	F04C18/344 F04C29/00
A	PATENT ABSTRACTS OF JAPAN vol. 009, no. 067 (M-366), 27 March 1985 & JP 59 200088 A (TOYODA JIDO SHOKKI SEISAKUSHO KK), 13 November 1984, * abstract *	1,2	
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 060 (M-796), 10 February 1989 & JP 63 263284 A (KOYO SEIKO CO LTD), 31 October 1988, * abstract *	1,2	
A	EP 0 481 347 A (TOYODA MACHINE WORKS LTD) * column 4, line 11 - line 38 * * figure 3 *	1,2	TECHNICAL FIELDS SEARCHED (Int.Cl.6) F04C F01C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 March 1998	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			

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