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(54) **Casted suction inlet**

(57) A casted iron muffling suction chamber comprising in a single integrated body the suction inlet (40) and the suction chamber. The casted tubular section inlet extends into the interior of the suction chamber to

enhance the muffling effect of the chamber. The cast suction inlet is projected long enough into the chamber to prevent suction resonance due to the pulsating sounds given off when the piston draws the refrigerant gas.

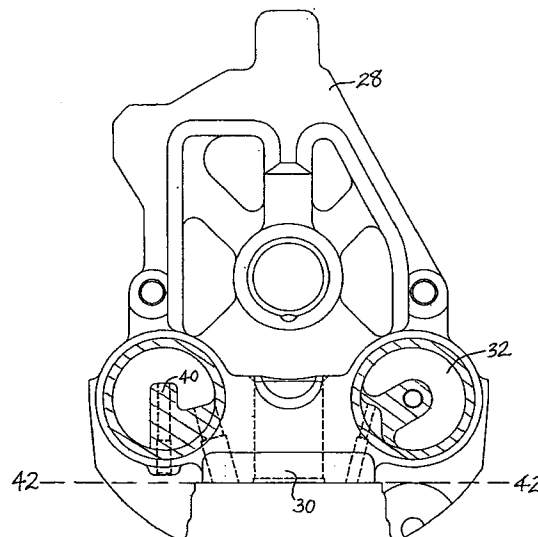


FIG. 4



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 7618

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	US 4 115 035 A (TANKRED HANS JURGEN ET AL) 19 September 1978 (1978-09-19) * column 3, line 49 - column 4, line 11; figure 2 *	1	F04B39/00
A	GB 1 001 038 A (DANFOSS) 11 August 1965 (1965-08-11) * page 1, line 60 - page 2, line 37; figure 2 *	1	
A	DE 14 03 460 A (DANFOSS A/S) 21 November 1968 (1968-11-21) * page 4, paragraph 1 - page 6, paragraph 1; figure 1 *	1	
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 240 (M-251), 25 October 1983 (1983-10-25) & JP 58 126488 A (SHARP KK), 27 July 1983 (1983-07-27) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F04B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		16 August 1999	Ingelbrecht, P
CATEGORY OF CITED DOCUMENTS		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	
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 30 7618

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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16-08-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4115035 A	19-09-1978	DE 2617370 A	03-11-1977
		AR 222448 A	29-05-1981
		AU 504391 B	11-10-1979
		AU 2434977 A	26-10-1978
		BR 7702523 A	28-02-1978
		CA 1094519 A	27-01-1981
		DD 129947 A	15-02-1978
		DK 167277 A,B,	22-10-1977
		FR 2349043 A	18-11-1977
		GB 1576751 A	15-10-1980
		IT 1072845 B	13-04-1985
		JP 1250692 C	14-02-1985
		JP 52130016 A	01-11-1977
		JP 59025879 B	21-06-1984
		SE 433384 B	21-05-1984
SE 7704509 A	22-10-1977		

GB 1001038 A		NONE	

DE 1403460 A	21-11-1968	NONE	

JP 58126488 A	27-07-1983	JP 1299757 C	31-01-1986
		JP 60022197 B	31-05-1985
