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(54) Pressure-compensating valve for refrigerating chambers

(57) This valve consists of two ventilators (1 and 2), each of which is driven by an independent motor (1a and 2a), the motors being of equal power, an electric control circuit (3), some LED's (4) indicating the operational status of the ventilators (1 and 2), a heating element (5) for heating the valve unit, a pipe (6) to channel the flow of air produced by the ventilators (1 and 2) and two grates

at each end (7 and 8). The pipe (6) is mounted in an opening made in a wall (9) of the refrigerating chamber and has the grates (7 and 8) at each end. The ventilators (1 and 2) are mounted by means of a housing (10) inside the pipe (6), and each one projects a flow of air (1b and 2b) towards the interior and the exterior of the refrigerating chamber respectively.

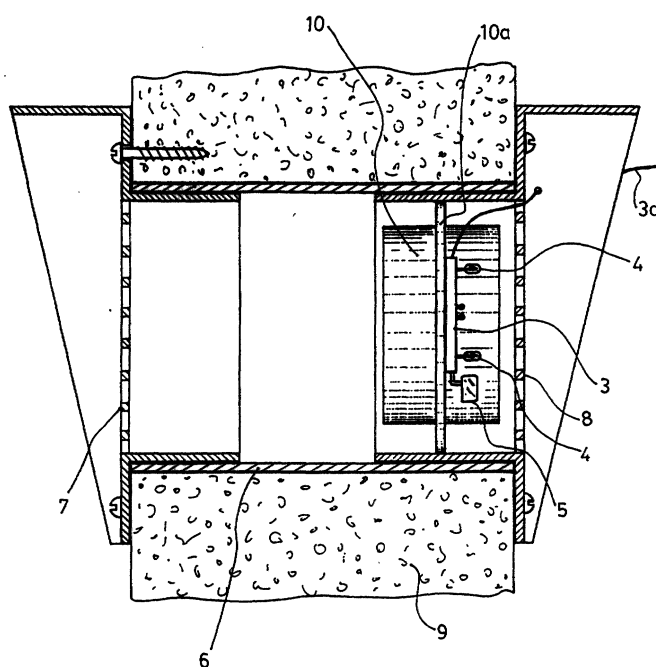


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
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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.7)
A	US 3 952 542 A (BERKOWITZ IRVING L) 27 April 1976 (1976-04-27) * the whole document *	1-6	F25D17/00 F04D25/16
A	GB 2 025 575 A (VIESSMAN H) 23 January 1980 (1980-01-23) * the whole document *	1-6	
A	US 4 499 917 A (FUJIYA TOSHIMICHI) 19 February 1985 (1985-02-19) * the whole document *	1-6	
A	GB 895 548 A (GEN MOTORS CORP) 2 May 1962 (1962-05-02) * page 2, line 54 - page 2, line 78 *	1-6	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F25D F04D
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 19 June 2002	Examiner Zanotti, L
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

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

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The members are as contained in the European Patent Office EDP file on
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19-06-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3952542	A	27-04-1976	CA 1031210 A1	16-05-1978
			DE 2506247 A1	26-05-1976
			FR 2295329 A1	16-07-1976
			GB 1517918 A	19-07-1978
			JP 1123599 C	30-11-1982
			JP 51063057 A	01-06-1976
			JP 57010343 B	25-02-1982
GB 2025575	A	23-01-1980	DE 7812852 U1	17-08-1978
			DE 7822429 U1	16-11-1978
			AT 360056 B	29-12-1980
			AT 301579 A	15-05-1980
			BE 875883 A1	16-08-1979
			FR 2424461 A1	23-11-1979
			LU 81193 A1	10-09-1979
			NL 7903203 A	30-10-1979
US 4499917	A	19-02-1985	NONE	
GB 895548	A	02-05-1962	NONE	