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### (54) A comfort controls system

(57) A domestic heating system 20 serving a space-heating circuit 2 and a domestic hot water circuit 4 has: a base unit 21 which is located next to boiler 7 and which monitors and controls operations of the system 20; a room unit 22 located in a room containing radiator 3 of the space-heating circuit 2; a mid-position valve 23; a cylinder sensor 24 and a frost kit 25.

Base unit 21 has a microprocessor-run communications and control function to process appropriate information from the elements of system 20 and to ensure suitable operation of those elements at all times.

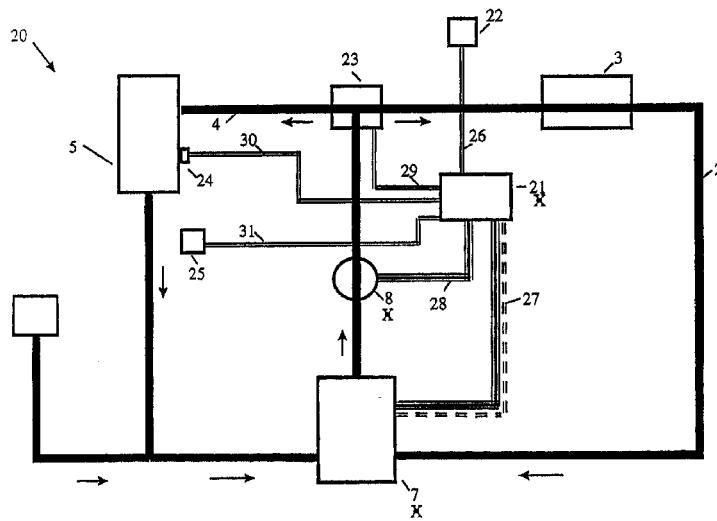


Figure 2



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## EUROPEAN SEARCH REPORT

**Application Number**

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)		
X	DE 44 33 387 A (VAILLANT JOH GMBH & CO) 23 March 1995 (1995-03-23) * column 2, line 15 - column 3, line 10; figures 1,2 * --- A EP 0 676 682 A (MUELLER FRIEDRICH) 11 October 1995 (1995-10-11) * column 6, line 41 - column 7, line 47; figure 1 * -----	1-4, 13-16 1	G05D23/19 F24D19/10		
TECHNICAL FIELDS SEARCHED (Int.Cl.7)					
G05D F24D					
The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
THE HAGUE	12 April 2001	Goetz, P			
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone	T : theory or principle underlying the invention				
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date				
A : technological background	D : document cited in the application				
O : non-written disclosure	L : document cited for other reasons				
P : intermediate document	& : member of the same patent family, corresponding document				

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

EP 00 30 0252

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

12-04-2001

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
DE 4433387 A	23-03-1995	AT	399955 B	25-08-1995
		AT	187993 A	15-12-1994
		NL	9401445 A	18-04-1995
EP 0676682 A	11-10-1995	DE	4412024 A	19-10-1995
		AT	182222 T	15-07-1999
		DE	59506377 D	19-08-1999