



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
13.10.2004 Bulletin 2004/42

(51) Int Cl.7: **F23L 17/00**, F23L 17/02,
F24F 7/00, F24C 15/00

(43) Date of publication A2:
16.06.2004 Bulletin 2004/25

(21) Application number: **03257781.9**

(22) Date of filing: **10.12.2003**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR
Designated Extension States:
AL LT LV MK

(72) Inventor: **Wragg, Richard John**
Hagley, Stourbridge, West Midlands DY9 0PQ
(GB)

(30) Priority: **10.12.2002 GB 0228730**

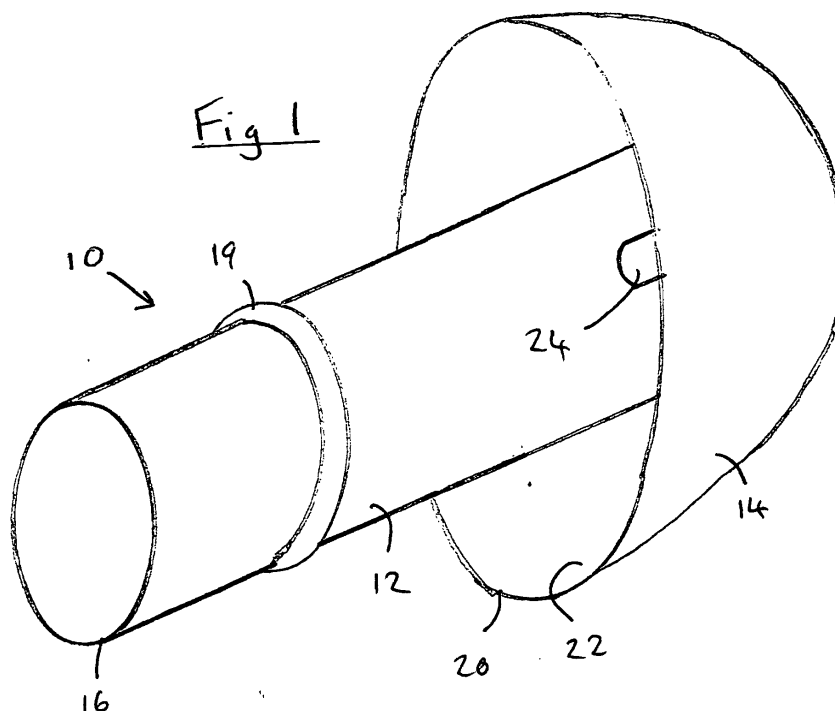
(74) Representative: **Wilson, Alan Stuart**
Barker Brettell,
138 Hagley Road Edgbaston
Birmingham B16 9PW (GB)

(71) Applicant: **Wragg, Richard John**
Hagley, Stourbridge, West Midlands DY9 0PQ
(GB)

(54) **Blow-off vents**

(57) A vent system for a heating or similar system comprises a vent pipe (12, 32) extending substantially horizontally through an external wall (34) of a building and terminating at an end, and having at least one aperture (24) at or towards the end, and a cowl (14) ex-

tending around the end of the pipe (12) and the at least one aperture and being open towards the wall so that fluid escaping along the pipe and through the at least one aperture (24) will impinge upon the cowl (14) and thereby be deflected at least partially back towards the wall.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 25 7781

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	US 6 289 886 B1 (RADKE GEORGE F) 18 September 2001 (2001-09-18)	1-4,8,10	F23L17/00
Y	* column 2 - column 4; figure 3 *	5	F23L17/02
	---		F24F7/00
X	GB 1 075 334 A (WILHELM TOPP) 12 July 1967 (1967-07-12)	1-7,9,10	F24C15/00
	* figures 3,4 *		

X	GB 18536 A A.D. 1914 (ILIFF FRANK) 28 January 1915 (1915-01-28)	1-4,8-10	
Y	* page 1 - page 3; figure 1 *	5	

Y	US 4 461 066 A (PETERSON JAMES R) 24 July 1984 (1984-07-24)	5	
	* column 3 - column 5; figures 2,3 *		

			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F23L F24F F24C
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 20 August 2004	Examiner García Moncayo, O
<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 & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (P04C01)

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

EP 03 25 7781

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.

20-08-2004

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6289886	B1	18-09-2001	AU	773583 B2	27-05-2004
			AU	5399799 A	07-12-2000
			CA	2310518 A1	01-12-2000
			NZ	500380 A	25-05-2001

GB 1075334	A	12-07-1967	DE	1275268 B	14-08-1968

GB 191418536	A	28-01-1915	NONE		

US 4461066	A	24-07-1984	AU	505568 B2	22-11-1979
			AU	2017576 A	08-06-1978
			JP	56049435 U	01-05-1981
			JP	52070558 A	11-06-1977
			US	4622887 A	18-11-1986

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82