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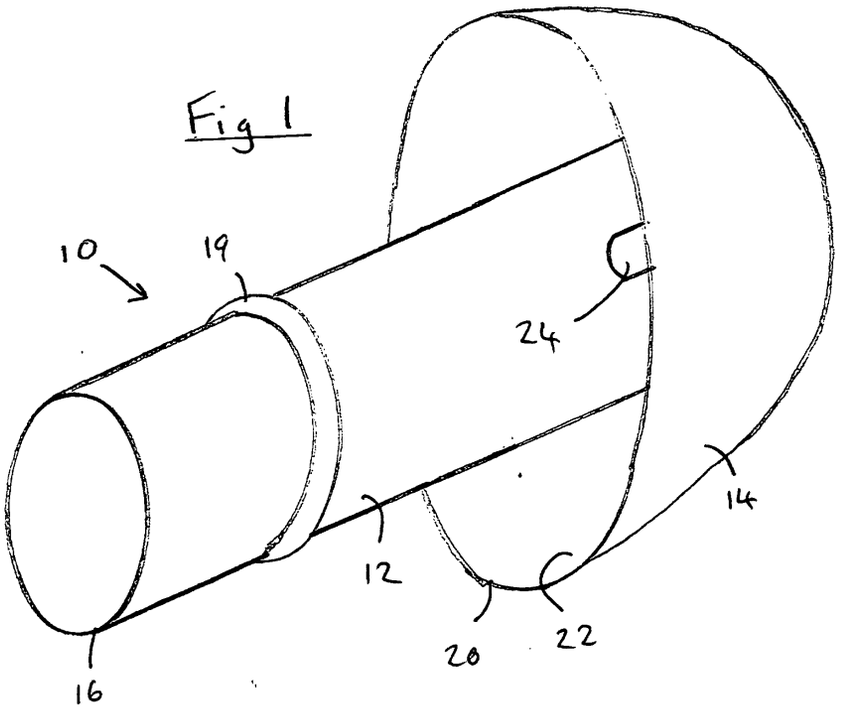
(71) Applicant: **Wragg, Richard John**
Hagley, Stourbridge, West Midlands DY9 0PQ (GB)

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

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



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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 F23L17/02
Y	* column 2 - column 4; figure 3 *	5	F24F7/00 F24C15/00
X	GB 1 075 334 A (WILHELM TOPP) 12 July 1967 (1967-07-12) * figures 3,4 *	1-7,9,10	
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) * column 3 - column 5; figures 2,3 *	5	

TECHNICAL FIELDS SEARCHED (Int.Cl.7)

F23L
F24F
F24C

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
MUNICH	20 August 2004	García Moncayo, O

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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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

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