



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**16.07.2008 Bulletin 2008/29**

(51) Int Cl.:  
**F24C 15/20** <sup>(2006.01)</sup> **F24F 7/08** <sup>(2006.01)</sup>  
**F24F 7/00** <sup>(2006.01)</sup>

(43) Date of publication A2:  
**13.02.2008 Bulletin 2008/07**

(21) Application number: **07113229.4**

(22) Date of filing: **26.07.2007**

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

(72) Inventors:  
• **Raus, Dragan**  
**33080, Porcia (Pordenone) (IT)**  
• **Puppini, Marco**  
**30020, Noventa di Piave (Venezia) (IT)**

(30) Priority: **27.07.2006 IT PN20060058**

(74) Representative: **Markovina, Paolo**  
**Electrolux Italia S.p.A.**  
**Corso Lino Zanussi 30**  
**22080 Porcia (Pordenone) (IT)**

(71) Applicant: **ELECTROLUX PROFESSIONAL S.p.A.**  
**33170 Pordenone (IT)**

(54) **Improvement in the ventilation arrangement of a fume extraction hood**

(57) A fume extractor hood comprises a planar horizontal top member adapted to collect vapours and gases flowing up from a worktop, such as a cooktop, extending therebelow, a suction conduit that is open in the middle region thereof, first suction means associated to said suction conduit, ventilation means adapted to impart a whirling motion about a vertical axis to the mixture of air and other gases contained inside a cylindrical member, wherein said ventilation means comprise an internally

hollow cylindrical member extending vertically downwards, a peripheral edge of which is placed on the outer edge of said planar horizontal top member, and a plurality of outflow channels distributed over the internal cylindrical wall of said cylindrical member, these channels being oriented vertically and provided with a plurality of respective outflow ports; such outflow ports are oriented so that the respective air flows are directed in a horizontal direction and with a limited inclination relative to the tangent to the circumference of the cylindrical member.

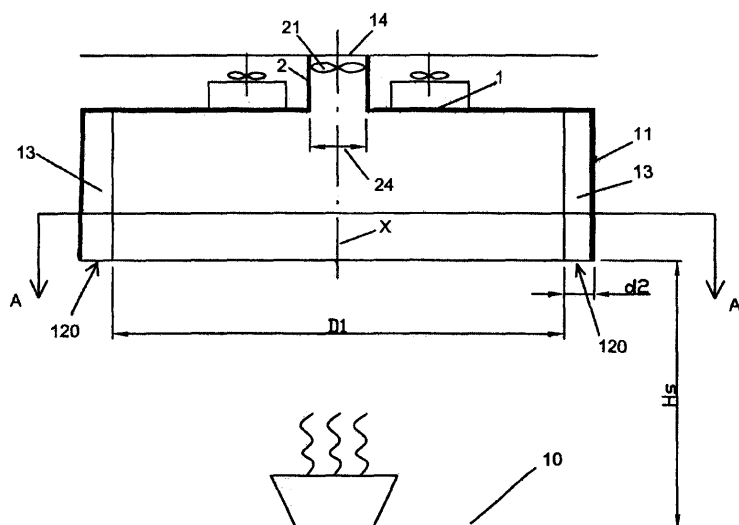


Fig. 1



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 07 11 3229

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
D,X	JP 02 183750 A (SEIBU DENKI KOGYO KK) 18 July 1990 (1990-07-18) * pages 1-2; figures 1-3 *	1,5-14	INV. F24C15/20 F24F7/08
D,A	JP 2004 332967 A (HORI FUJIO) 25 November 2004 (2004-11-25) * the whole document *	1-14	ADD. F24F7/00
A	JP 2000 266385 A (DAIKIN IND LTD) 29 September 2000 (2000-09-29) * figures 1-4 *		
P,A	DE 10 2005 013806 A1 (BSH BOSCH SIEMENS HAUSGERAETE [DE]) 28 September 2006 (2006-09-28) * paragraphs [0020] - [0040]; figures 1-4 *	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			F24C F24F
The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>30 May 2008</b>	Examiner <b>Merkt, Andreas</b>
<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  &amp; : member of the same patent family, corresponding document</p>			

2  
EPO FORM 1503 03.82 (P04C01)

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

EP 07 11 3229

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.

30-05-2008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2183750	A	18-07-1990	NONE	
JP 2004332967	A	25-11-2004	NONE	
JP 2000266385	A	29-09-2000	JP 3327247 B2	24-09-2002
DE 102005013806	A1	28-09-2006	NONE	