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(54) **A burner for professional or domestic gas cookers, particularly of the type of vertical-flame burners adapted for cooking with woks and the like**

(57) The present invention relates to a burner for professional or domestic gas cookers, particularly of the type of vertical-flame burners adapted for cooking with woks and the like, which comprises

- a burner body (11) which is substantially annular and encloses a tubular chamber (12) that lies in a substantially helical arrangement around a central axis (A) and is provided with an access hole (13),
- a Venturi-type supply tube (14), which is connected to the body (11) and opens onto the hole (13) to introduce the combustion gas into the chamber (12),

the body (11) being provided with

- upper outflow ports (15) for the gas, which open onto the face (16) of the body (11) that is the upper one during use and are adapted to form a flame that is oriented substantially along the central axis (A),
- central outflow ports (17) for the gas, which open onto the body (11) substantially toward the central axis (A).

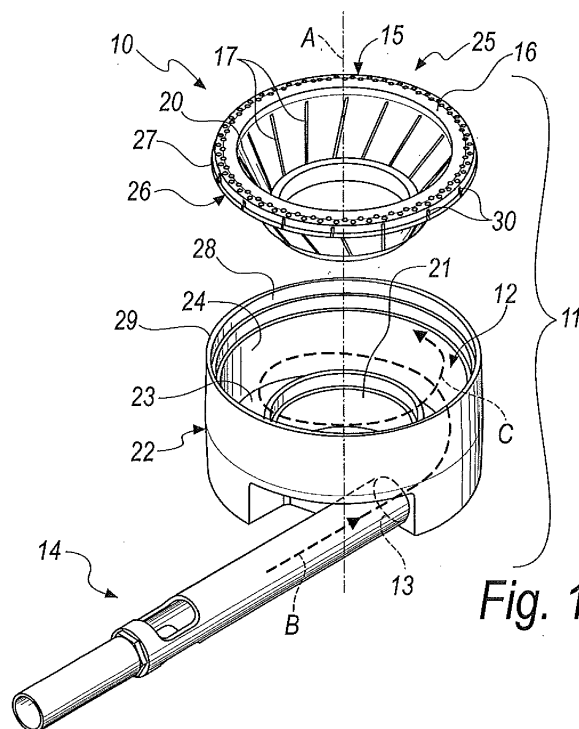


Fig. 1

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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 (IPC)
X	US 2006/147865 A1 (CZAJKA CHARLES [US] ET AL) 6 July 2006 (2006-07-06)	1-4,8	INV. F23D14/08 F23D14/58
Y	* paragraph [0022] - paragraph [0032];	6,7	
A	figures 2-4 *	5,9	

Y	US 2008/050687 A1 (WU TSEN-TUNG [TW]) 28 February 2008 (2008-02-28)	6,7	
A	* paragraph [0021] - paragraph [0023];	5,9	
	figures 1-5 *		

			TECHNICAL FIELDS SEARCHED (IPC)
			F23D
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
Munich	5 September 2017	Theis, Gilbert	
CATEGORY OF CITED DOCUMENTS		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	
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			

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

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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
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US 2006147865	A1	06-07-2006	NONE	

US 2008050687	A1	28-02-2008	NONE	

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