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(54) **Gas burner**

(57) The gas burner is comprised of a body (1) with a grooved diffuser-cap (3) characterized by a second grooved diffuser-ring (2). The grooved diffuser is comprised of two separate parts: the grooved diffuser-ring and the grooved diffuser-cap. In order to modify the maximum capacity of the burner the grooved diffuser-cap can

be removed or added. The number and angle of the grooves aid in shaping the flame around the burner, hence determining the final diameter of the heating zone and, consequently, that of the cookware, thus avoiding energy losses. Meanwhile, the cost of production, cleaning and maintenance is very low.

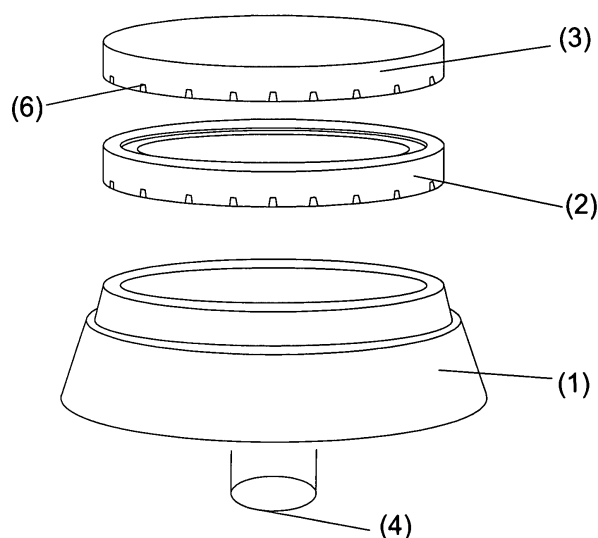
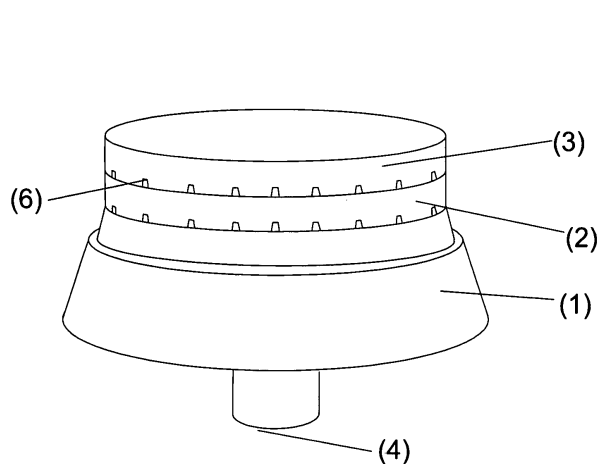


Figure 1



EUROPEAN SEARCH REPORT

 Application Number
 EP 11 38 6024

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 13 April 2016	Examiner Rudolf, Andreas
CATEGORY OF CITED DOCUMENTS 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 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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 11 38 6024

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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