

Title (en)
Burner for domestic cooking appliances

Title (de)
Brenner für Haushalt-Kochgeräte

Title (fr)
Brûleur pour appareils de cuisson domestiques

Publication
EP 2733422 A1 20140521 (EN)

Application
EP 13164653 A 20130422

Priority
TR 201213374 A 20121120

Abstract (en)
A burner (1) which is used in domestic cooking appliances, e.g. cookers, ovens, etc., and which consists of a pool (1.1), a base (1.2) and a cap (1.3). The cap (1.3) comprises a convex upper surface and a concave lower surface provided with ports on a port ring for forming a flame. The bottom of the ports in the lower surface of the cap (1.3) is inclined downwards at a bottom angle between 2° and 8°. At least two C-shaped cavities are radially distributed around the cap's (1.3) center in order for it to be easily mounted on the base (1.2). The cap (1.3) can be made of aluminium via injection moulding method, brass via hot forging method, or of any one of the materials including glass, porcelain, ceramics, which are resistant to heat and thermal shock, as a single piece, alternatively it can be made of brass or aluminium material, and then applied Teflon or ceramic coating thereon for providing thermal resistance and for obtaining different colours.

IPC 8 full level
F23D 14/06 (2006.01)

CPC (source: EP)
F23D 14/06 (2013.01)

Citation (applicant)
• WO 2004000020 A1 20031231 - BAYER CROPSCIENCE AG [DE], et al
• EP 1703203 A1 20060920 - ELECTROLUX HOME PROD CORP [BE]

Citation (search report)
• [XY] US 5924860 A 19990720 - MASSEY DALE [US], et al
• [I] US 6146132 A 20001114 - HARNEIT UWE [US]
• [YA] TR 201110814 A2 20120822 - TURAS GAZ ARMATUERLERI SAN VE TIC A S [TR] & EP 2587144 A2 20130501 - TURAS GAZ ARMATUERLERI SANAYI VE TICARET A S [TR]
• [Y] US 5468145 A 19951121 - FERLIN WILLIAM J [US]
• [YA] JP S6011012 A 19850121 - MATSUSHITA ELECTRIC WORKS LTD

Cited by
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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