

Title (en)
BURNER MODULE FOR A COOKING HOB

Title (de)
BRENNERMODUL FÜR EIN KOCHFELD

Title (fr)
MODULE DE BRÛLEUR POUR UNE PLAQUE DE CUISSON

Publication
EP 4261459 A1 20231018 (EN)

Application
EP 22168261 A 20220413

Priority
EP 22168261 A 20220413

Abstract (en)
The invention relates to a burner module (1) for a cooking hob (2), comprising at least the following components:- a support frame (3) for a cooking vessel;- a burner crown (4) with a burner cap (5) for the shape and position of a flame of the burner module (1); and- an overflow bowl (6) with a transition rim (7) for forming a transition to an upper surface (8) of a cover plate (9) of a cooking hob (2), wherein an air duct (10) is formed between the burner crown (4) and the overflow bowl (6) for admitting primary air (11) for a flame of the burner module (1). The burner module (1) is in particular characterised in that the cross-section (12) of the air duct (10) for the primary air (11) is arranged at least partially below the upper surface (8) of the cover plate (9). With the burner module proposed here, a very low overall height can be achieved.

IPC 8 full level
F24C 3/08 (2006.01)

CPC (source: EP)
F24C 3/085 (2013.01)

Citation (search report)

- [Y] CN 201187812 Y 20090128 - TAIWAN SAKURA COMPANY LTD [CN]
- [Y] CN 113028396 A 20210625 - QINGDAO HAIER INTELLIGENT TECHNOLOGY RES & DEV CO LTD, et al
- [Y] EP 0551235 A1 19930714 - EUROP EQUIP MENAGER [FR]
- [A] US 2006121402 A1 20060608 - BETTINZOLI ANGELO [IT]
- [A] EP 3329183 A1 20180606 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] JP S6186521 A 19860502 - MATSUSHITA ELECTRIC IND CO LTD
- [A] FR 2693256 A1 19940107 - DIETRICH EUROP ELECTROMENAGER [FR]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4261459 A1 20231018; WO 2023198576 A1 20231019

DOCDB simple family (application)
EP 22168261 A 20220413; EP 2023059086 W 20230406