

Title (en)
A BURNER ASSEMBLY HAVING AN IMPROVED VENTURI ELEMENT

Title (de)
BRENNERANORDNUNG MIT VERBESSERTEM VENTURI-ELEMENT

Title (fr)
ENSEMBLE BRÛLEUR AYANT UN ÉLÉMENT VENTURI AMÉLIORÉ

Publication
EP 3980689 A4 20230322 (EN)

Application
EP 19936959 A 20190710

Priority
TR 2019050559 W 20190710

Abstract (en)
[origin: WO2021006832A1] The invention relates to a burner assembly for a gas cooker comprising a lower body (10) having a circumferential wall (12) provided with a gas inlet (14) and the top of which is open in such a way that forms a rim (11); a venturi element (30) extending axially in the lower body (10) from a venturi inlet (32) opposite the gas inlet (14) to a rear part (17) of the circumferential wall (12) in such a way to mix the gas supplied from the gas inlet (14) with the air supplied from an air opening (15); an upper part (20) which is hermetically adapted to the lower body (10) from the bottom. The burner assembly further comprising a wing assembly (34) rising on the inner wall of the venturi element (30), in such a way that extending the air-gas mixture flow path.

IPC 8 full level
F23D 14/06 (2006.01)

CPC (source: EP)
F23D 14/065 (2013.01); **F23D 14/64** (2013.01); **F23D 14/70** (2013.01); **F23D 2900/14021** (2013.01)

Citation (search report)

- [AD] EP 2072895 A1 20090624 - ELECTROLUX HOME PROD CORP [BE]
- [A] US 5145361 A 19920908 - KURZINSKI EDWARD F [US]
- [A] EP 0896192 A2 19990210 - DUNGS KARL GMBH & CO [DE]
- See also references of WO 2021006832A1

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

DOCDB simple family (publication)
WO 2021006832 A1 20210114; EP 3980689 A1 20220413; EP 3980689 A4 20230322; EP 3980689 B1 20240612

DOCDB simple family (application)
TR 2019050559 W 20190710; EP 19936959 A 20190710