

Title (en)

Flue hood and gas water heating appliance including the same

Title (de)

Dunstabzugshaube und gaserhitzter Wasserkessel damit

Title (fr)

Hotte aspirante et chauffe-eau à allumage au gaz le comprenant

Publication

EP 2871417 A1 20150513 (EN)

Application

EP 14192047 A 20141106

Priority

CN 201310576092 A 20131108

Abstract (en)

The present invention discloses a flue hood including a shell and a movable baffle. The shell has a gas intake port, a gas exhaust port, and a flue gas channel in communication with the gas intake port and the gas exhaust port. The movable baffle is movably disposed in the flue gas channel to change an opening size in a cross section of the flue gas channel. By employing a movable baffle in the flue gas channel, when there is incoming external winds and/or rains, the movable baffle is able to restrict the opening size in the cross section of the flue gas channel thereby resisting the winds and/or rains, on the other side, when there is exhaust of flue gas, the movable baffle can be pushed by the gas flow to enlarge the opening size in the cross section of the flue gas channel to allow the flue gas to be discharged out smoothly.

IPC 8 full level

F23L 11/00 (2006.01); **F23L 13/02** (2006.01); **F23M 9/00** (2006.01)

CPC (source: EP)

F23L 11/005 (2013.01); **F23L 13/02** (2013.01); **F23M 9/006** (2013.01)

Citation (applicant)

CN 2438051 Y 20010704 - WANJIALE GAS IMPLEMENT CO LTD [CN]

Citation (search report)

- [XYI] EP 0400757 A2 19901205 - REMEHA FABRIEKEN BV [NL]
- [X] US 5239947 A 19930831 - SCHIMMEYER WERNER K [US]
- [X] GB 2499976 A 20130911 - JONES WILLIAM CHARLES KYLE [GB]
- [Y] DE 202006010099 U1 20060907 - VAILLANT GMBH [DE]

Cited by

CN113280502A; CN109163343A

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

DOCDB simple family (publication)

EP 2871417 A1 20150513; EP 2871417 B1 20200513; CN 103604215 A 20140226; CN 103604215 B 20160608; ES 2809524 T3 20210304

DOCDB simple family (application)

EP 14192047 A 20141106; CN 201310576092 A 20131108; ES 14192047 T 20141106