

Title (en)  
COMBUSTOR AND GAS WATER HEATER HAVING SAME

Title (de)  
BRENNKAMMER UND GASWASSERHEIZER DAMIT

Title (fr)  
CHAMBRE DE COMBUSTION ET CHAUFFE-EAU À GAZ DOTÉ DE CELLE-CI

Publication  
**EP 3460325 A1 20190327 (EN)**

Application  
**EP 17873938 A 20170331**

Priority  

- CN 201621280123 U 20161125
- CN 201611059110 A 20161125
- CN 2017079170 W 20170331

Abstract (en)  
A burner and a gas water heater with the burner are provided. A burner casing defines a lean burning opening. A flow-adjustment device (14) arranged in the lean burning opening and provided with a plurality of lean burning flame ports (141). A first blind passage (116) and a second blind passage (117) are defined between the flow-adjustment device (14) and two side walls of the lean burning opening respectively. A maximum width of the first blind passage (116) and a maximum width of the second blind passage (117) are equal and denoted by W2, and a maximum width of the first rich burning flame port (118) and a maximum width of the second rich burning flame port (119) are equal and denoted by W1, in which W2#¥W1.

IPC 8 full level  
**F23D 14/08** (2006.01); **F23D 14/62** (2006.01); **F24H 9/18** (2006.01)

CPC (source: EP)  
**F23D 14/045** (2013.01); **F23D 14/586** (2013.01); **F23D 2203/108** (2013.01)

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 3460325 A1 20190327**; **EP 3460325 A4 20190522**; **EP 3460325 B1 20210728**; WO 2018094944 A1 20180531

DOCDB simple family (application)  
**EP 17873938 A 20170331**; CN 2017079170 W 20170331