

Title (en)  
BURNER AND GAS WATER HEATER HAVING SAME

Title (de)  
BRENNER UND GASWASSERHEIZER DAMIT

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

Publication  
**EP 3460326 B1 20210602 (EN)**

Application  
**EP 17874506 A 20170331**

Priority  
• CN 201611059207 A 20161125  
• CN 201621279810 U 20161125  
• CN 2017079169 W 20170331

Abstract (en)  
[origin: EP3460326A1] A burner and a gas water heater with the burner are provided. A burner casing (11) is provided with a first rich burning flame port (118) and a second rich burning flame port (119). A flow-adjustment device (14) defines a first blind passage (116) and a second blind passage (117). A height difference between the top surface of the outer side wall of the first blind passage (116) and the top surface of the flow-adjustment device and a height difference between the top surface of the outer side wall of the second blind passage (117) and the top surface of the flow-adjustment device (14) are denoted by H1, and a height difference between the top surface of the outer side wall of the first rich burning flame port (118) and the top surface of the flow-adjustment device and a height difference between the top surface of the outer side wall of the second rich burning flame port (119) and the top surface of the flow-adjustment device (14) are denoted by H2, in which  $H2 \neq H1$ .

IPC 8 full level  
**F23D 14/08** (2006.01); **F23D 14/04** (2006.01); **F23D 14/58** (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

DOCDB simple family (publication)  
**EP 3460326 A1 20190327**; **EP 3460326 A4 20190522**; **EP 3460326 B1 20210602**; ES 2883333 T3 20211207; PT 3460326 T 20210819; WO 2018094943 A1 20180531

DOCDB simple family (application)  
**EP 17874506 A 20170331**; CN 2017079169 W 20170331; ES 17874506 T 20170331; PT 17874506 T 20170331