

Title (en)

BURNER AND GAS WATER HEATER PROVIDED WITH SAME

Title (de)

BRENNER UND DAMIT AUSGESTATTETER GASWASSERERHITZER

Title (fr)

BRÛLEUR ET CHAUFFE-EAU À GAZ POURVU DE CELUI-CI

Publication

EP 3546827 A4 20200624 (EN)

Application

EP 16854593 A 20161130

Priority

- CN 201621279828 U 20161125
- CN 201611062639 A 20161125
- CN 2016108092 W 20161130

Abstract (en)

[origin: EP3546827A1] A combustor (100) and a gas water heater having the same are provided, wherein the combustor (100) comprises at least one combustion unit (1), a primary air adjusting plate (2) and a secondary air adjusting plate (3), wherein a combustor shell (11) of the combustion unit (1) is provided with a rich combustion injection port (131) and a lean combustion injection port (121), the primary air adjusting plate (2) is disposed in front of the rich combustion injection port and the lean combustion injection port, so as to adjust an amount of injection air, and the secondary air adjusting plate (3) is disposed below the combustion unit, wherein the primary air adjusting plate (2) extends downwardly and defines a pressure balancing chamber (21) between the primary air adjusting plate (2) the and the secondary air adjusting plate (3).

IPC 8 full level

F23D 14/02 (2006.01); **F23D 14/04** (2006.01); **F23D 14/46** (2006.01)

CPC (source: EP)

F23D 14/045 (2013.01)

Citation (search report)

- [X1] JP 2014126217 A 20140707 - RINNAI KK
- [X1] US 2015253035 A1 20150910 - NAITOH KATSUMI [JP], et al
- [A] JP H07269813 A 19951020 - OSAKA GAS CO LTD, et al
- See references of WO 2018094752A1

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 3546827 A1 20191002; **EP 3546827 A4 20200624**; **EP 3546827 B1 20210630**; ES 2890375 T3 20220118; PT 3546827 T 20210826; WO 2018094752 A1 20180531

DOCDB simple family (application)

EP 16854593 A 20161130; CN 2016108092 W 20161130; ES 16854593 T 20161130; PT 16854593 T 20161130