

Title (en)  
BURNER AND GAS WATER HEATER PROVIDED WITH SAME

Title (de)  
BRENNER UND DAMIT AUSGESTATTETER GASWASSERERHITZER

Title (fr)  
BRÛLEUR ET CHAUFFE-EAU AU GAZ DOTÉ DE CELUI-CI

Publication  
**EP 3546828 A1 20191002 (EN)**

Application  
**EP 16854592 A 20161130**

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Abstract (en)  
A combustor and a gas water heater having the same are provided, wherein the combustor includes at least one combustion unit (1) comprising a combustor shell (11) and a rectifying device (14), the combustor shell (11) is provided with a rich combustion injection port (131), a lean combustion injection port (121), a first rich combustion flame port (118), a second rich combustion flame port (119) and a lean combustion opening (115), wherein a sectional area S1 of the rich combustion injection port (131) and a sectional area S2 of the lean combustion injection port (121) satisfy:  $S1/S2=0.20\sim0.40$ .

IPC 8 full level  
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