

Title (en)
Burner heat exchanger group

Title (de)
Brenner-Wärmetauschergruppe

Title (fr)
Groupe d'échange thermique/brûleur

Publication
EP 2385320 B1 20150610 (EN)

Application
EP 11164787 A 20110504

Priority
IT MI20100790 A 20100505

Abstract (en)
[origin: EP2385320A1] It is illustrated a burner-heat exchanger group (1) for a gas boiler, comprising: - a burner (2) including a diffuser (3) suitable for diffusing premixed combustion gases in a combustion chamber (4); and - a heat exchanger (5) adjacent to the combustion chamber (4); wherein said burner-heat exchanger group (1) further comprises a heat accumulation barrier (6) made from porous material arranged between the diffuser (3) and a portion of the heat exchanger (5) and spaced apart from the diffuser (3) so as to define a first combustion area (7), between the burner (2) and the heat accumulation barrier (6), and a second combustion area (8), between the heat accumulation barrier (6) and the heat exchanger (5) and such as to accumulate heat in said first combustion area (7).

IPC 8 full level
F24H 1/26 (2006.01)

CPC (source: EP)
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Cited by
CN109442747A; CN112240647A

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