

Title (en)
Burner heat exchanger group

Title (de)
Brenner-Wärmetauschergruppe

Title (fr)
Groupe d'échange thermique/brûleur

Publication
EP 2385320 A1 20111109 (EN)

Application
EP 11164787 A 20110504

Priority
IT MI20100790 A 20100505

Abstract (en)
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).

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F24H 1/26 (2006.01)

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Citation (search report)

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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

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