

Title (en)

GAS-FIRE PLACE

Publication

EP 0016479 B1 19830629 (DE)

Application

EP 80101619 A 19800326

Priority

DE 2911890 A 19790326

Abstract (en)

[origin: EP0016479A2] 1. Gas hearth with atmospheric burner (16) for the preparation of hot water or for air heating, comprising a combustion chamber (14) containing the burner (16) with at least one heating gas flue (24) placed after it in which the heat exchange takes place between the combustion gases and the medium to be heated, further comprising a combustion gas discharge conduit (34), connected to the heating gas flue (24) by way of a draught diverter (28), and a flue gas damper (36) in the path of the combustion gases before the draught diverter, which damper opens in time connection with the setting in operation of the burner (16) and closes in time connection with the setting out of operation of the burner (16), and leaves a free residual cross-section open even in the closed condition, characterised in that the flue gas damper (36) is a flue gas damper controlled by a bimetallic element, known per se, and in that the flue gas damper (36) is brought so close to the place of flame generation, and its free residual cross-section is dimensioned so large, that correct combustion is guaranteed even in the initial phase after setting of the burner (16) in operation.

IPC 1-7

F24H 9/20

IPC 8 full level

F24H 9/20 (2006.01)

CPC (source: EP US)

F24H 9/20 (2013.01 - EP US); **F24H 9/2035** (2013.01 - EP US)

Cited by

US6745724B2; CN100422657C; EP0313146A3; GB2133530A; WO03012346A1; US6948454B2; US6557501B2

Designated contracting state (EPC)

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