

Title (en)

A gas combustion apparatus incorporating an atmospheric burner, and method for controlling the air in the apparatus

Title (de)

Gasbrenngerät mit atmosphärischem Brenner und Verfahren zur Regelung der Luft in das Gerät

Title (fr)

Appareil de combustion à gaz avec un brûleur atmosphérique et procédé de régulation de l'air dans l'appareil

Publication

EP 0606527 B1 19970924 (EN)

Application

EP 93113075 A 19930816

Priority

IT MI930048 A 19930115

Abstract (en)

[origin: EP0606527A1] The apparatus consists basically of an atmospheric burner (10), a combustion chamber (11), and means (13) for creating a vacuum within the combustion chamber. To provide optimum combustion using different gases from one gas family, means for detecting at least one apparatus temperature and means for controlling the primary air (AP) flow according to the temperature detected are provided. Various applications are described wherein the temperature is measured at the surface of a burner diffuser and the primary air is controlled to keep the temperature below a critical value and the flame stable. For improved operation at the ignition stage, the flow rate of the primary air (AP) is set at a comparatively low predetermined starting value. <IMAGE>

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IPC 8 full level

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