

Title (en)

Method and burner for burning lean gas in a power plant boiler

Title (de)

Verfahren und Brenner zum Verbrennen von Schwachgas in einem Kraftwerksboiler

Title (fr)

Procédé et brûleur pour brûler du gaz pauvre dans une chaudière de centrale électrique

Publication

EP 2479491 B1 20140326 (EN)

Application

EP 11151532 A 20110120

Priority

EP 11151532 A 20110120

Abstract (en)

[origin: EP2479491A1] To burn lean fuel gas in a furnace of a power plant boiler, a fuel gas flow is fed into the furnace via a fuel pipe (1), a primary air flow is fed centrally into the fuel gas flow discharging from an outlet (14) of the fuel pipe (1), and a secondary air flow is fed peripherally into the fuel gas flow discharging from the outlet (14) of the fuel pipe (1). The outlet (14) is provided with an inner stabilizing ring (4) and an outer stabilizing ring (8), both boosting flame ignition. The primary air channel (2) is provided with a first swirler (3) and the secondary air channel (6) is provided with a second swirler (7) to set the respective air flows into a rotation.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN110822423A; CN110160050A; CN104075319A; CN109882844A; CN103062773A; EP3081690A1; CN110986039A; WO2017212108A1

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