

Title (en)

Installation for the cleaning and burning of shaft furnace exhaust gases

Title (de)

Einrichtung zur Reinigung und Verbrennung von Schachtofenabgasen

Title (fr)

Installation pour le nettoyage et la combustion des gas d'échappement de haut-fourneau

Publication

EP 1085283 B1 20040526 (DE)

Application

EP 00119877 A 20000913

Priority

- CZ 986899 A 19990913
- DE 29922491 U 19991222

Abstract (en)

[origin: EP1085283A2] Apparatus for cleaning and combusting the waste gases from a blast furnace consists of a system of heat exchangers, a filter (2) and a combustion chamber (5). Apparatus comprises a preheater/cooler (1) for the blast furnace gas connected via an air valve (10) to a cooling air pipe (6) and via an outlet valve (11) to an auxiliary outlet waste gas pipe (8) for hot gases, and also connected to the combustion chamber (5) via a filter (2) and a preheater (3). The combustion chamber (5) consists of two parts (26, 27), the first part (26) forming the combustion zone containing a burner (25) for waste gases, a burner (28) for fuel added and a secondary air inlet (34,) and the second part (27) forming a reaction and cooling zone. The combustion zone has a temperature probe (50) for three temperature regulators (47-49).

IPC 1-7

F27D 17/00; **F27B 1/10**; **F27B 1/22**; **C21B 7/00**; **F23G 7/06**

IPC 8 full level

C21B 7/00 (2006.01); **F23G 7/06** (2006.01); **F23J 15/00** (2006.01); **F23J 15/02** (2006.01); **F27B 1/10** (2006.01); **F27B 1/22** (2006.01); **F27D 17/00** (2006.01)

CPC (source: EP)

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Cited by

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