

Title (en)

COAL COMBUSTION WITH A FLUIDIZED INCINERATION BED

Publication

EP 0302910 B1 19920715 (DE)

Application

EP 88901248 A 19880121

Priority

- DE 3701798 A 19870122
- DE 3733831 A 19871007

Abstract (en)

[origin: WO8805494A1] According to a process for the combustion of organic substances, such as domestic or industrial waste and the like, in a fluidized incineration bed (1) at a mean combustion temperature of 800 DEG C, the flue gases emitted by the fluidized bed (1) are heated with the associated flue dust to a temperature of at least 900 DEG C, preferably 1000 DEG C to 1200 DEG C, in a subsequent heating zone (23), in order to destroy toxic substances such as dioxine possibly generated when the organic substances are burnt. To this effect, the flue gases are introduced in the incinerating chamber of an industrial furnace, for example a steam generator (2) of a coal-operated power plant. By connecting in the gas supply line a fluidized bed (1) upstream of a steam generator (2) fired with coal, a substantial reduction in NOx formation is achieved.

IPC 1-7

F01K 23/06; F22B 31/00; F23C 11/02

IPC 8 full level

F01K 23/06 (2006.01); **F22B 31/00** (2006.01); **F23G 5/30** (2006.01)

CPC (source: EP US)

F22B 31/0069 (2013.01 - EP US); **F23G 5/30** (2013.01 - EP US); **F23J 2215/301** (2013.01 - EP US)

Cited by

US11919201B2

Designated contracting state (EPC)

BE DE GB IT NL SE

DOCDB simple family (publication)

WO 8805494 A1 19880728; DE 3872787 D1 19920820; DK 165762 B 19930111; DK 165762 C 19930524; DK 524388 A 19881118; DK 524388 D0 19880921; EP 0302910 A1 19890215; EP 0302910 B1 19920715; US 4932335 A 19900612

DOCDB simple family (application)

EP 8800043 W 19880121; DE 3872787 T 19880121; DK 524388 A 19880921; EP 88901248 A 19880121; US 25071888 A 19881031