

Title (en)

DEVICE FOR VARYING THE BED HEIGHT IN A FLUIDIZED-BED COMBUSTION CHAMBER

Publication

EP 0205761 B1 19900912 (DE)

Application

EP 86103253 A 19860311

Priority

DE 3522394 A 19850622

Abstract (en)

[origin: US4667610A] A device for varying the height of a bed in a fluidized combustion chamber inside a pressurized housing. Bed material is supplied to the chamber from hoppers or returned back to the hoppers from the chamber through a supply line. The supply line connects the chamber and the hoppers. The hoppers have means of increasing or decreasing the pressure. To improve the means of both increasing and decreasing pressure in the known device and of cleaning the gas that enters into contact with the material in the hopper, each hopper contains a hot-gas filter that gas can flow through in two directions and each hopper communicates above the filter with a gas connection that can be maintained at either a higher or a lower pressure than the fluidized combustion chamber.

IPC 1-7

B01J 8/24; F23C 11/02

IPC 8 full level

B01J 8/24 (2006.01); **F23C 10/16** (2006.01); **F23C 10/30** (2006.01)

CPC (source: EP US)

F23C 10/16 (2013.01 - EP US); **F23C 10/30** (2013.01 - EP US)

Citation (examination)

DOE/MC/14129-173 (DE81025923), "Pressurized Fluidized Bed Combustion Part Load Behavior", A.G. Roberts et al., February 1981

Designated contracting state (EPC)

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EP 0205761 A2 19861230; EP 0205761 A3 19880224; EP 0205761 B1 19900912; AT E56519 T1 19900915; DE 3522394 A1 19870102; DE 3522394 C2 19870820; DE 3674075 D1 19901018; US 4667610 A 19870526

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