

Title (en)

METHOD AND APPARATUS FOR THE COMBUSTION OF SOLID, LIQUID, GASEOUS OR PASTE-LIKE FUELS IN A FLUIDIZED-BED FURNACE

Publication

**EP 0202215 A3 19870415 (DE)**

Application

**EP 86890070 A 19860320**

Priority

AT 128785 A 19850430

Abstract (en)

[origin: EP0202215A2] Solid, liq. gaseous or pasty materials can be burned in a fluidised bed furnace wherein one or more vertical partitions, e.g. an open-ended cylinder immersed in the bed, produce zones, which the O<sub>2</sub>-contg. fluidising gas fluidises to different extents, producing internal circulation of solids. Most of the fuel is delivered into a zone with reduced fluidisable, i.e. where the predominant, coarse wet fuel is supported by a laterally entering feed worm while fine dry fuel and also any liq. or pasty material) is taken by a lance into the bed centre. Sub-stoichiometric O<sub>2</sub> supplies in the fuel admission area permit graduated combustion, with reduced NO<sub>x</sub> emission. The penetrates may be a heat exchanger, with fluid media circulating in internal tubing.

IPC 1-7

**F23C 11/02**; **F22B 31/00**; **F23J 1/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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