Title (en)

FLUIDISED-BED COMBUSTION APPARATUS

Publication

EP 0349764 B1 19930512 (DE)

Application

EP 89109975 A 19890602

Priority

DE 3822999 A 19880707

Abstract (en)

[origin: EP0349764A2] In fluidised-bed combustion apparatuses with stationary fluidised-bed, secondary air is blow into the free space (10) above the fluidised-bed (6), in order to burn out the combustible substances which are still contained in the rising gas. In this connection, the homogeneous mixing in of the secondary air and the maintenance of a minimum temperature in the free space (10) are important. Upwardly directed secondary air nozzles (14) are pointed, in the manner of injectors, into pipe sections (13) which are arranged vertically, distributed over the area of the fluidised-bed (6) and open at the top and at the bottom, and which are immersed with their lower ends in the fluidised-bed (6) and project with their upper ends into the free space (10). By an injector effect, hot granular material is drawn along by the secondary air from the fluidised-bed (6) and thrown into the free space (10). As a result, heat is supplied to the free space (10). Moreover, the mixing in of the secondary air into the gas rising from the fluidised-bed (6) is improved. <IMAGE>

IPC 1-7

F23C 11/02; F23L 9/00

IPC 8 full level

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CPC (source: EP US)

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