

Title (en)

BOILER WITH A CIRCULATING FLUIDIZED BED

Publication

EP 0216677 B1 19881130 (FR)

Application

EP 86401873 A 19860826

Priority

FR 8513355 A 19850909

Abstract (en)

[origin: US4683840A] Boiler with a circulating fluidized bed, comprising a fluidization column completely lined with refractory material, a recirculation cyclone (2) and a duct (3) for recycling the solid materials. At least one heat-exchanger component (25, 26, 27) is placed in the recirculation cyclone (2). Pipe lines (30) enable air to be injected in tangential directions into the upper part of the cyclone (2) and thereby to increase the vortex effect. The combustion takes place substantially in the upper part of the cyclone (2). The fluidization column (1) comprises a widened section (1a) in its lower part.

IPC 1-7

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

IPC 8 full level

F22B 31/00 (2006.01); **F23C 10/10** (2006.01)

CPC (source: EP US)

F22B 31/0084 (2013.01 - EP US); **F23C 10/10** (2013.01 - EP US); **F23C 2206/101** (2013.01 - EP US); **F23C 2206/103** (2013.01 - EP US)

Cited by

EP0247798A3; EP0851173A3; EP0497528A1; CN1304783C; EP0413612A3; WO9421964A1

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