

Title (en)

Boiler for electrical generator based on external boiler with improved yield

Title (de)

Betriebskessel für Generator, der auf einem externen Betriebskessel mit verbesserter Leistung basiert

Title (fr)

Chaudière pour générateur électrique basée sur une chaudière externe avec un rendement amélioré

Publication

**EP 2256405 A3 20110316 (EN)**

Application

**EP 09163632 A 20090624**

Priority

IT MI20081145 A 20080625

Abstract (en)

[origin: EP2256405A2] A boiler (236) for an electrical generator (203) of the external-boiler type is proposed. The boiler includes a furnace (242) for producing heat through combustion of a fuel. The boiler is provided with an input (315) for receiving a process fluid. A heat exchanger (248) causes the process fluid to flow close to the furnace (so that it is heated by the heat produced by the furnace). The boiler is also provided with an output (320) for supplying the heated process fluid to the electrical generator. In the solution according to an embodiment of the invention, the heat exchanger includes a plurality of ducts (415-435) being connected in parallel between the input and the output (for partitioning the flow of the process fluid); the ducts are arranged as a tunnel (430-435) around the furnace along a flow direction (245) of combustion smokes being produced by the furnace.

IPC 8 full level

**F22B 7/04** (2006.01); **F22B 7/06** (2006.01); **F22B 7/08** (2006.01)

CPC (source: EP)

**F22B 7/04** (2013.01); **F22B 7/06** (2013.01); **F22B 7/08** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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