

Title (en)

Heat recovery boiler with finned tubes

Title (de)

Abhitzeessel mit Rippenrohren

Title (fr)

Chaudière de récupération avec des tubes à ailettes

Publication

EP 0790460 A3 20000308 (DE)

Application

EP 97102155 A 19970211

Priority

IT MI960303 A 19960216

Abstract (en)

[origin: EP0790460A2] The boiler has tubes (1) with fins (2), through which hot gas, possibly exhaust gas, flows. It has guide sheets (5) for the gas flow between the tubes in a lower row and those in an upper row, guiding the flow to an upper tube (1,2). The finned tubes of a first horizontal row are aligned with the tubes of the next row. Between two adjacent tubes there may be a funnel-like outlet region for the hot gas, in which the apex of the V-shaped guide sheet is fitted. The sheet extends over the entire length of the tube.

IPC 1-7

F22B 1/18; **F22B 37/10**; **F28F 13/06**

IPC 8 full level

F22B 37/10 (2006.01); **F28F 1/24** (2006.01); **F28F 13/06** (2006.01)

CPC (source: EP)

F22B 37/101 (2013.01); **F28F 1/24** (2013.01); **F28F 13/06** (2013.01)

Citation (search report)

- [X] US 4957160 A 19900918 - RALEIGH WILLIAM F [US]
- [X] US 5163508 A 19921117 - HAMOS ROBERT E [US]
- [X] FR 748639 A 19330706
- [A] EP 0225929 A1 19870624 - RENDAMAX AG [CH]
- [A] US 3421482 A 19690114 - ORTEGA ROBERT
- [A] DE 1940963 A1 19710225 - ZWEIGNIEDERLASSUNG NUERNBERG, et al

Cited by

NL1020708C2; CN100402967C; WO03100339A1; WO2007097856A3; WO2007087778A1

Designated contracting state (EPC)

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