

Title (en)

HEAT EXCHANGER, PARTICULARLY A STEAM GENERATOR

Publication

**EP 0133453 B1 19880727 (DE)**

Application

**EP 84105358 A 19840511**

Priority

CH 425683 A 19830805

Abstract (en)

[origin: US4524727A] The medium-carrying tubes of the vertical gas flue are bent outwardly of the boundary walls at the transverse gas flue and extend upwardly through the transverse gas flue in parallel groups. The medium-carrying tubes of the transverse gas flue are bent at the branch-off points of the vertical gas flue to fill the space in the planes of the vertical boundary walls left by the bent out tubes of the vertical flue and extend horizontally to common headers. The medium-carrying tubes of the vertical flue which pass through the transverse flue permit a uniform distribution of the temperature of the medium to be obtained at the outlet ends of the tubes.

IPC 1-7

**F22B 37/14**

IPC 8 full level

**F22B 37/10** (2006.01); **F22B 37/14** (2006.01); **F22B 37/20** (2006.01)

CPC (source: EP US)

**F22B 37/14** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 0133453 A2 19850227; EP 0133453 A3 19851218; EP 0133453 B1 19880727**; CA 1247480 A 19881228; DE 3473025 D1 19880901; JP H0454841 B2 19920901; JP S6038504 A 19850228; PL 143769 B1 19880331; PL 248166 A1 19850213; US 4524727 A 19850625

DOCDB simple family (application)

**EP 84105358 A 19840511**; CA 458158 A 19840705; DE 3473025 T 19840511; JP 14076984 A 19840709; PL 24816684 A 19840612; US 63627084 A 19840731