

Title (en)

FLUIDIZED-BED HEAT GENERATOR WITH A DEVICE FOR ASH REMOVAL AND HEAT RECOVERY

Publication

**EP 0236647 B1 19890823 (FR)**

Application

**EP 86402830 A 19861216**

Priority

FR 8518764 A 19851218

Abstract (en)

[origin: US4736711A] A fluidized bed heat generator with improved collector for ash removal and heat recovery comprises a central hearth having a fluidization grid at its lower end. The side wall of the hearth is enclosed by a hollow peripheral enclosure to define an intermediate volume therebetween which is connected both to the upper part of the hearth and to fume tubes. These fume tubes extend through the peripheral enclosure and open into a fume exit conduit such that fumes and entrained ash from the hearth can be directed via the intermediate volume and the fume tubes to the fume exit conduit. Water is arranged to circulate within the peripheral enclosure around the hearth and fume tubes.

IPC 1-7

**F22B 31/00**

IPC 8 full level

**F23C 10/24** (2006.01); **F22B 31/00** (2006.01)

CPC (source: EP US)

**F22B 31/0053** (2013.01 - EP US)

Cited by

EP0398814A1; FR2647031A1; US5143697A

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

**US 4736711 A 19880412**; AT E45794 T1 19890915; AU 581160 B2 19890209; AU 6679186 A 19870625; CA 1294499 C 19920121; CN 1008656 B 19900704; CN 86108550 A 19870729; DE 236647 T1 19880114; DE 3665214 D1 19890928; DK 164715 B 19920803; DK 164715 C 19921228; DK 608486 A 19870619; DK 608486 D0 19861217; EP 0236647 A1 19870916; EP 0236647 B1 19890823; ES 2000154 A4 19871216; ES 2000154 B3 19891101; FI 865169 A0 19861217; FI 865169 A 19870619; FR 2591722 A1 19870619; FR 2591722 B1 19880219; GR 3000135 T3 19901129; GR 880300086 T1 19881216; IN 169114 B 19910907; JP S62175505 A 19870801; NO 162485 B 19890925; NO 162485 C 19900103; NO 865108 D0 19861217; NO 865108 L 19870619; PT 83940 A 19870101; PT 83940 B 19930226; YU 216386 A 19891231; YU 46036 B 19921221; ZA 869456 B 19870826

DOCDB simple family (application)

**US 94007986 A 19861210**; AT 86402830 T 19861216; AU 6679186 A 19861218; CA 525603 A 19861217; CN 86108550 A 19861217; DE 3665214 T 19861216; DE 86402830 T 19861216; DK 608486 A 19861217; EP 86402830 A 19861216; ES 86402830 T 19861216; FI 865169 A 19861217; FR 8518764 A 19851218; GR 880300086 T 19881216; GR 890400116 T 19890824; IN 978MA1986 A 19861216; JP 30018586 A 19861218; NO 865108 A 19861217; PT 8394086 A 19861216; YU 216386 A 19861217; ZA 869456 A 19861217