

Title (en)
COMPACT BOILER WITH FLUIDIZED BED

Publication
EP 0129486 B1 19861126 (FR)

Application
EP 84401294 A 19840621

Priority
FR 8310233 A 19830621

Abstract (en)
[origin: ES8505466A1] A boiler comprising a fluidized bed combustion chamber which communicates with an exchange enclosure containing water tubes heated by the combustion tubes and within which is arranged an exchange and dust removal chamber equipped with water tubes and containing a vertical internal partition dividing it into two half chambers communicating with one another. One of these half chambers communicates with the upstream part of the enclosure through an inlet orifice situated at the top part and constrains the fumes to follow a descending path along the partition, while the other communicates with the downstream part of the enclosure through an outlet orifice situated at the top part and constrains the fumes to follow an ascending path.

IPC 1-7
F22B 31/00; **F22B 37/40**

IPC 8 full level
F22B 1/02 (2006.01); **F22B 31/00** (2006.01); **F22B 37/40** (2006.01); **F22B 37/48** (2006.01); **F23C 10/18** (2006.01)

CPC (source: EP US)
F22B 31/0038 (2013.01 - EP US); **F22B 37/40** (2013.01 - EP US)

Citation (examination)
POWER, vol. 126, no. 8, août 1982, Concord, New Hampshire (US); J. MAKANSI et al.: "Fluidized-bed boilers", pages S1-S16.

Cited by
CN102705800A; EP0428115A3; US5311842A; EP0566099A3

Designated contracting state (EPC)
AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0129486 A1 19841227; **EP 0129486 B1 19861126**; AT E23921 T1 19861215; AU 2957584 A 19850103; AU 570475 B2 19880317; BR 8402991 A 19850528; CA 1251105 A 19890314; DE 3461501 D1 19870115; ES 533588 A0 19850516; ES 8505466 A1 19850516; FR 2547899 A1 19841228; FR 2547899 B1 19870828; IN 160527 B 19870718; JP S6069406 A 19850420; US 4542716 A 19850924; ZA 844659 B 19850227

DOCDB simple family (application)
EP 84401294 A 19840621; AT 84401294 T 19840621; AU 2957584 A 19840620; BR 8402991 A 19840619; CA 456972 A 19840620; DE 3461501 T 19840621; ES 533588 A 19840620; FR 8310233 A 19830621; IN 499DE1984 A 19840620; JP 12724484 A 19840620; US 62282184 A 19840621; ZA 844659 A 19840620