

Title (en)  
FLUIDIZED-BED STEAM GENERATOR

Publication  
**EP 0064092 B1 19840411 (DE)**

Application  
**EP 81103556 A 19810509**

Priority  
CH 265181 A 19810423

Abstract (en)  
[origin: US4444154A] The fluidized bed is situated in a combustion chamber formed from evaporator tubes welded in seal-tight relationship and leading into a gas flue. The combustion chamber is connected to the gas flue via two inclined connecting wall surfaces. Heater tubes bent into an L-shape extend through the fluidized bed. Each shorter limb of the heater tubes extends substantially vertically while the other longer limb extends substantially horizontally. The horizontal limbs pass through a substantially vertical combustion chamber wall at the level of the fluidized bed and the vertical limbs pass through the free surface of the fluidized bed beneath the connecting wall surface. As a result of this arrangement of the heater tubes, the stresses therein due to uneven thermal expansion of the heater tubes remain within permissible limits.

IPC 1-7  
**F22B 31/00**; **F22B 37/20**

IPC 8 full level  
**F22B 1/02** (2006.01); **F22B 31/00** (2006.01); **F22B 37/10** (2006.01); **F22B 37/20** (2006.01); **F23C 10/18** (2006.01)

CPC (source: EP US)  
**F22B 31/0038** (2013.01 - EP US); **F22B 37/202** (2013.01 - EP US)

Cited by  
EP0157901A3; AU2007253232B2; DE102011009243A1; EP0867680A1; FR2761147A1; US5855241A; US9256946B2; US9879853B2; WO2007135240A3; WO2020221965A1; EP2564117B1

Designated contracting state (EPC)  
AT BE DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0064092 A1 19821110**; **EP 0064092 B1 19840411**; AT E7071 T1 19840415; CA 1190814 A 19850723; CH 652190 A5 19851031; DE 3163051 D1 19840517; FI 69693 B 19851129; FI 69693 C 19860310; FI 820365 L 19821024; JP S57179503 A 19821105; US 4444154 A 19840424

DOCDB simple family (application)  
**EP 81103556 A 19810509**; AT 81103556 T 19810509; CA 395724 A 19820208; CH 265181 A 19810423; DE 3163051 T 19810509; FI 820365 A 19820204; JP 3598882 A 19820309; US 36555182 A 19820405