

Title (en)  
FLUIDIZED-BED FURNACE

Publication  
**EP 0157901 B1 19900808 (DE)**

Application  
**EP 84106553 A 19840607**

Priority  
CH 181684 A 19840411

Abstract (en)  
[origin: EP0157901A2] 1. A fluidised bed furnace comprising a combustion chamber having walls and a floor made up of wall tube which are welded to one another in gas-tight manner and convey a heat transfer medium, and the floor has air openings, means for supplying fuel, additives and air being provided and a post-combustion chamber being formed in the combustion chamber above the fluidised bed, characterised in that at least one static mixer (30) is disposed in the post-combustion chamber (19) and comprises vertical panels (31, 32; 37, 38) distributed over the entire cross-section of the post-combustion chamber (19) and leaving intersecting ducts between them, the flue gas flow rising from the fluidised bed (18) being divided into a number of repeatedly intersecting sub-flows in the ducts.

IPC 1-7  
**F23C 11/02**

IPC 8 full level  
**F23C 6/04** (2006.01); **F23C 10/00** (2006.01)

CPC (source: EP)  
**F23C 6/045** (2013.01); **F23C 10/002** (2013.01)

Cited by  
EP0443850A3; EP0509364A3; US5257585A; DE3822999C1; DE3726483A1; EP0319722A1

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

DOCDB simple family (publication)  
**EP 0157901 A2 19851016; EP 0157901 A3 19870506; EP 0157901 B1 19900808**; AT E55474 T1 19900815; CH 662405 A5 19870930; DE 3482955 D1 19900913; JP S60218507 A 19851101

DOCDB simple family (application)  
**EP 84106553 A 19840607**; AT 84106553 T 19840607; CH 181684 A 19840411; DE 3482955 T 19840607; JP 12942984 A 19840625