

Title (en)
Fluidized-bed furnace.

Title (de)
Wirbelbettfeuerung.

Title (fr)
Four à couche fluidisée.

Publication
EP 0157901 A2 19851016 (DE)

Application
EP 84106553 A 19840607

Priority
CH 181684 A 19840411

Abstract (en)
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.

Abstract (de)
Die Wirbelbettfeuerung (1) weist eine Brennkammer (2) auf, die im unteren Teil ein Wirbelbett (18) und oberhalb davon einen Nachbrennraum (19) enthält. Im Nachbrennraum (19) ist eine statische Mischvorrichtung (30) angeordnet. Hierdurch wird das Zünden von aus dem Wirbelbett ausgetragenen, unverbrannten Brennstoffteilchen verbessert.

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 CH DE FR GB IT LI LU 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