

Title (en)
PARTICLE ENTRAINMENT COMBUSTION.

Title (de)
WIRBELSCHICHTFEUERUNG.

Title (fr)
COMBUSTION A ENTRAINEMENT DE PARTICULES.

Publication
EP 0107683 A4 19851028 (EN)

Application
EP 83901311 A 19830429

Priority
AU PF378882 A 19820429

Abstract (en)
[origin: WO8303887A1] A method of combustion includes maintaining a flow of gas into, through and upwardly from a particulate bed (11), and admitting a fuel to the bed and/or to the gas flow. Such flow comprises a primary flow to a limited zone (32) of the bed (11), of sufficient velocity to entrain bed particles and carry them upwardly (34) from the bed, and a secondary flow to fluidize the bed (11), and so promote particle replenishment of the entrainment zone (32). The corresponding apparatus has a combustion chamber (13) to retain the bed (11), fuel admission means (20) and respective means (16, 18) to provide the primary and secondary gas flows.

IPC 1-7
F23C 11/02

IPC 8 full level
F23C 10/00 (2006.01); **B01J 8/00** (2006.01); **F23C 10/08** (2006.01)

CPC (source: EP)
B01J 8/005 (2013.01); **F23C 10/08** (2013.01)

Citation (search report)

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

DOCDB simple family (publication)
WO 8303887 A1 19831110; AU 1476383 A 19831121; AU 552679 B2 19860612; EP 0107683 A1 19840509; EP 0107683 A4 19851028; FI 834845 A0 19831229; FI 834845 A 19831229; JP S59500681 A 19840419

DOCDB simple family (application)
AU 8300050 W 19830429; AU 1476383 A 19830429; EP 83901311 A 19830429; FI 834845 A 19831229; JP 50139683 A 19830429