

Title (en)

Incineration process for waste in a circulating fluidized bed

Title (de)

Verfahren zum Verbrennen von Abfallstoffen in einer zirkulierenden Wirbelschicht

Title (fr)

Procédé d'incinération des déchets dans un lit fluidisé circulant

Publication

EP 0870985 A3 19990721 (DE)

Application

EP 98101663 A 19980131

Priority

DE 19714593 A 19970409

Abstract (en)

[origin: EP0870985A2] Fluidising gas containing oxygen is supplied to a turbulent burner (1). A hot mixture of gas and solids with temperatures ranging from 800 to 1400 degrees C is extracted from the top of the turbulent combustion chamber, and conveyed to a separator. At least part of the hot solids separated from the mixture in the separator (13) is fed into a mixer (8) positioned outside the turbulent combustion chamber. Waste materials are supplied to the mixer and mixed with the hot solids to form a solids mixture and pyrolysis gas. At least part of the solids mixture is conveyed into the turbulent combustion chamber and the pyrolysis drawn off.

IPC 1-7

F23G 5/027; **F23G 5/30**

IPC 8 full level

F23G 5/027 (2006.01); **F23G 5/16** (2006.01); **F23G 5/30** (2006.01)

CPC (source: EP)

F23G 5/027 (2013.01); **F23G 5/0276** (2013.01); **F23G 5/30** (2013.01); **F23C 2206/103** (2013.01); **F23G 2201/302** (2013.01); **F23G 2201/303** (2013.01); **F23G 2201/304** (2013.01); **F23G 2203/501** (2013.01); **F23G 2209/102** (2013.01); **F23G 2209/12** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 096, no. 012 26 December 1996 (1996-12-26)

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Designated contracting state (EPC)

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