

Title (en)

Method and device for the incineration of particulate solids

Title (de)

Verfahren und Vorrichtung zur Verbrennung von partikelförmigen Feststoffen

Title (fr)

Procédé et dispositif pour l'incinération de matières particulaires

Publication

EP 0950855 A3 19991229 (DE)

Application

EP 99103353 A 19990220

Priority

AT 64798 A 19980417

Abstract (en)

[origin: EP0950855A2] In a process to incinerate particulate biological matter esp. dried sewage sludge of low calorific value, the dried sludge is introduced into the incineration chamber with air in a ratio which is less than stoichiometric. The flow of fresh air is adapted to the incineration capacity. Incineration is first initiated and then continued at 850 degrees C under conditions of oxygen deficiency. The ratio of oxygen supplied is subsequently increased, resulting in combustion under conditions of oxygen surplus. An Independent claim is included for a cyclone furnace (1) with an incoming pipe (12) delivering air for carrying out the above process.

IPC 1-7

F23G 5/16; **F23G 5/32**

IPC 8 full level

F23G 5/16 (2006.01); **F23G 5/32** (2006.01); **B09B 3/00** (2006.01); **F23G 7/00** (2006.01); **F23L 7/00** (2006.01)

CPC (source: EP KR US)

F23G 5/00 (2013.01 - KR); **F23G 5/165** (2013.01 - EP US); **F23G 5/32** (2013.01 - EP US); **F23G 2205/20** (2013.01 - EP US); **F23G 2209/12** (2013.01 - EP US); **F23G 2209/26** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (application)

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