

Title (en)
METHOD OF INCINERATING MATERIAL

Title (de)
VERFAHREN ZUR VERBRENNUNG VON THERMISCH ZU BEHANDELNDEN STOFFEN

Title (fr)
PROCEDE D'INCINERATION DE MATERIAUX A TRAITER THERMIQUEMENT

Publication
EP 0839301 A1 19980506 (DE)

Application
EP 96926373 A 19960719

Priority
• DE 19526457 A 19950720
• EP 9603198 W 19960719

Abstract (en)
[origin: US6038988A] In a method of incinerating waste material in a parallel flow process wherein hot exhaust gases are conducted above a combustion chamber grate in the same direction as the material is moved on the grate, different temperatures zones are maintained to which air is admitted from the bottom through the grate such that a temperature of less than 900 DEG C. is maintained in a first zone which is a drying zone, a temperature of about 1000 DEG C. is maintained in a second zone which is an evaporization and vaporizing zone, a temperature of about 900 DEG C. is maintained in a third zone, which is the final combustion zone and a temperature less than 900 DEG C. is maintained in a fourth zone which is a sintering zone. Additional air is supplied to the combustion zones 1 through the side walls of the combustion chamber. A dividing wall is disposed above the grate over which the hot combustion gases are conducted to a discharge opening so that heat is transferred to the dividing wall for radiation back onto the waste material on the grate.

IPC 1-7
F23G 5/14; **F23L 1/02**; **F23M 3/20**; **F23M 5/08**

IPC 8 full level
F23G 5/00 (2006.01); **F23G 5/14** (2006.01); **F23G 5/44** (2006.01); **F23L 1/02** (2006.01); **F23M 9/06** (2006.01); **F23M 3/20** (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP US)
F23G 5/002 (2013.01 - EP US); **F23G 5/14** (2013.01 - EP US); **F23L 1/02** (2013.01 - EP US); **F23M 3/20** (2013.01 - EP US); **F23M 5/085** (2013.01 - EP US); **F23G 2201/10** (2013.01 - EP US); **F23G 2202/101** (2013.01 - EP US); **F23G 2203/101** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK FI LI NL SE

DOCDB simple family (publication)
WO 9704274 A1 19970206; AT E191552 T1 20000415; DE 19629216 A1 19970227; DE 19629216 C2 20000120; DE 59604896 D1 20000511; DK 0839301 T3 20000724; EP 0839301 A1 19980506; EP 0839301 B1 20000405; JP 3121840 B2 20010109; JP H10508371 A 19980818; US 6038988 A 20000321

DOCDB simple family (application)
EP 9603198 W 19960719; AT 96926373 T 19960719; DE 19629216 A 19960719; DE 59604896 T 19960719; DK 96926373 T 19960719; EP 96926373 A 19960719; JP 50630997 A 19960719; US 902798 A 19980120