

Title (en)  
Waste incinerator flue gas recirculation

Title (de)  
Müllverbrennungsanlage mit Abgasrückführung

Title (fr)  
Recirculation des gaz de combustion d'un incinérateur d'ordures

Publication  
**EP 1164331 B1 20060906 (EN)**

Application  
**EP 01202285 A 20010614**

Priority  
NL 1015519 A 20000614

Abstract (en)  
[origin: EP1164331A1] The invention relates to a method for the incineration of waste material in an incinerator, comprising: supplying waste material to an incineration zone which contains an incineration grid (5), wherein the waste material (6) is supplied to a first side of the incineration grid and is moved to a second side during the method, supplying from below through the incineration grid (5) and the waste material (6) placed thereon a primary gas so as to at least partially incinerate said waste material in a combustion area that stretches from the incineration grid to a first level above the incineration grid. This method is improved because the incineration zone comprises at least two zones, the waste material being supplied to a first zone, and wherein during the method the waste material is moved to a successive connected zone, and that a first partial primary gas (1-4) supply is supplied to the first zone with an oxygen content of 20% by volume and a temperature from 50 DEG C to 450 DEG C, preferably from 50 DEG C to 300 DEG C. <IMAGE>

IPC 8 full level  
**F23G 5/14** (2006.01)

CPC (source: EP)  
**F23G 5/14** (2013.01); **F23G 2202/101** (2013.01); **F23G 2202/106** (2013.01); **F23G 2206/10** (2013.01)

Cited by  
CN113406282A; CN105351944A; DE102006005464B3; JP2013257063A; CN112783236A; AT412500B; CN107631301A; US8544394B2; EP1751468A4; JP2019045130A; JP2014513786A; WO02075214A1; WO2021124660A1; JP2021096046A; TWI644058B

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1164331 A1 20011219; EP 1164331 B1 20060906**; AT E338917 T1 20060915; CY 1105828 T1 20110202; DE 60122829 D1 20061019; DE 60122829 T2 20070315; DK 1164331 T3 20070102; ES 2272406 T3 20070501; NL 1015519 C2 20011228; PT 1164331 E 20070131

DOCDB simple family (application)  
**EP 01202285 A 20010614**; AT 01202285 T 20010614; CY 061101747 T 20061205; DE 60122829 T 20010614; DK 01202285 T 20010614; ES 01202285 T 20010614; NL 1015519 A 20000614; PT 01202285 T 20010614