

Title (en)
Fluid-bed incinerator.

Title (de)
Wirbelschichtmüllverbrennungsanlage.

Title (fr)
Incinérateur à lit fluidisé.

Publication
EP 0434945 A2 19910703 (EN)

Application
EP 90121485 A 19901109

Priority
IT 1262189 A 19891228

Abstract (en)
The invention relates to a fluid-bed incinerator comprising a kiln with its combustion chamber being formed with a gas-pervious hearth (6), and which is provided with means (21) for loading into the combustion chamber any refuse to be incinerated above the hearth (6), and with means (4, 5) for feeding through the gas-pervious hearth (6) an upward combustion air flow, and also with means (22) for feeding chemical reagents into the said combustion chamber. According to the invention, the hearth (6) is formed with a centrally located outlet opening (106) which is connected to a delivery duct (9), means (26) being provided for feeding cold air into the combustion chamber in kiln (1), through the delivery duct (9) and the outlet opening (106) in hearth (6), and means (27) being provided for the delivery duct (9) to be put under vacuum by a suction device located in the last section of the delivery duct (9). <IMAGE>

IPC 1-7
F23C 11/02; F23G 5/16; F23G 5/30; F23J 1/00; F23J 7/00; F23J 15/00; F23L 15/00

IPC 8 full level
F22B 31/00 (2006.01); **F23C 10/20** (2006.01); **F23C 10/24** (2006.01); **F23G 5/16** (2006.01); **F23G 5/30** (2006.01); **F23J 7/00** (2006.01); **F23J 15/00** (2006.01)

CPC (source: EP)
F22B 31/0084 (2013.01); **F23C 10/20** (2013.01); **F23C 10/24** (2013.01); **F23G 5/16** (2013.01); **F23G 5/30** (2013.01); **F23J 7/00** (2013.01); **F23J 15/006** (2013.01); **F23J 2217/101** (2013.01); **F23J 2219/70** (2013.01)

Cited by
EP0999412A4; BE1015530A3; EP0717260A3; US6264465B1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR LI LU NL SE

DOCDB simple family (publication)
EP 0434945 A2 19910703; EP 0434945 A3 19920527; EP 0434945 B1 19941228; AT E116420 T1 19950115; DE 69015601 D1 19950209; DE 69015601 T2 19950511; IT 1236182 B 19930119; IT 8912621 A0 19891228; IT 8912621 A1 19910628

DOCDB simple family (application)
EP 90121485 A 19901109; AT 90121485 T 19901109; DE 69015601 T 19901109; IT 1262189 A 19891228