

Title (en)
Incineration system and method

Title (de)
Verbrennungsvorrichtung und Verfahren

Title (fr)
Système et procédé d'incinération

Publication
EP 1493967 A1 20050105 (EN)

Application
EP 04076915 A 20040704

Priority
NL 1023805 A 20030703

Abstract (en)
The invention concerns an incineration system, e.g. for the combustion of waste and to collect incineration heat therefrom for the production of e.g. steam or heat. This system has a bluff body (14) containing a longitudinally extending supply channel for injection of a fluid, such as a gas or liquid, into the flue gases in e.g. the combustion chamber or post-combustion chamber through mutually spaced nozzles. Said supply channel is subdivided into two or more subchannels (16). Preferably, a said sub-channel (16) debouches at another zone to obtain differences in fluid injection from said bluff body in its circumferential and/or longitudinal direction.

IPC 1-7
F23L 7/00; **F23L 9/02**; **F23J 15/00**; **F23J 7/00**

IPC 8 full level
F23J 7/00 (2006.01); **F23J 15/00** (2006.01); **F23L 7/00** (2006.01); **F23L 9/02** (2006.01); **F23L 9/04** (2006.01)

CPC (source: EP)
F23G 5/14 (2013.01); **F23L 7/00** (2013.01); **F23L 9/02** (2013.01); **F23L 9/04** (2013.01)

Citation (applicant)
• EP 0286077 A2 19881012 - WUPPERTAL MUELLVERBRENNUNG [DE]
• DE 3038875 A1 19820603 - VER KESSELWERKE AG [DE]
• DE 4401821 A1 19950727 - KUEMMEL JOACHIM DIPL ING [DE]

Citation (search report)
• [X] US 4131432 A 19781226 - SATO ISAO, et al
• [A] US 5741130 A 19980421 - HAGSTROM ULF G [SE], et al
• [A] EP 0595067 A1 19940504 - WAERMETECHNIK DR PAULI GMBH [DE]
• [A] US 5342592 A 19940830 - PETER-HOBLYN JEREMY D [GB], et al
• [A] DE 8709386 U1 19880818

Citation (third parties)
Third party :
• DE 4401821 C2 19980115 - KUEMMEL JOACHIM DIPL ING [DE]
• PERILLEUX M. ET AL.: "Improving combustion and boiler performance of new and existing efw plants with the seghers-ibb-prism", 6TH EUROPEAN CONFERENCE ON INDUSTRIAL FURNACES AND BOILERS, 2 April 2002 (2002-04-02) - 5 April 2002 (2002-04-05), pages 1 - 14, XP002989763
• GOERNER ET AL.: "Optimierung der Sekundärlufteindüsung in den Feuerraum einer Müllverbrennungsanlage bei Verwendung eines Sekundärluft-Düsenprismas", ERGAENZTER UND ERWEITERTER BEITRAG ZUM 19EN DEUTSCHEN FLAMMENTAG, September 1999 (1999-09-01), pages 1 - 16, XP002989764

Cited by
EP2071239A3; WO2016119069A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1493967 A1 20050105; **EP 1493967 B1 20070606**; AT E364157 T1 20070615; DE 602004006804 D1 20070719;
DE 602004006804 T2 20080214

DOCDB simple family (application)
EP 04076915 A 20040704; AT 04076915 T 20040704; DE 602004006804 T 20040704