

Title (en)

Atmospheric water cooled gas burner

Title (de)

Atmosphärischer, wassergekühlter Gasbrenner

Title (fr)

Brûleur atmosphérique à gaz refroidi par eau

Publication

**EP 0990845 A3 20000802 (DE)**

Application

**EP 99115368 A 19990804**

Priority

DE 19845356 A 19981002

Abstract (en)

[origin: EP0990845A2] The burner deck is provided with rows of outflow apertures (18) for fuel - air mixture and between the rows run cooling channels (20). The burner deck is composed of two plate formations, of which the one is provided with outflow apertures and the other with recesses (48) which do not obstruct flow. The cooling channels are formed by local formations of at least one of the two plates. Preferably the combustion zones have strips (42) made of high temperature-resistant ferritic refined steel.

IPC 1-7

**F23D 14/58**; **F23D 14/78**

IPC 8 full level

**F23D 14/04** (2006.01); **F23D 14/58** (2006.01); **F23D 14/78** (2006.01)

CPC (source: EP)

**F23D 14/045** (2013.01); **F23D 14/583** (2013.01); **F23D 14/78** (2013.01); **F23D 2203/101** (2013.01); **F23D 2212/20** (2013.01); **F23D 2213/00** (2013.01); **F23D 2214/00** (2013.01)

Citation (search report)

- [DA] DE 19545844 A1 19970612 - BUDERUS HEIZTECHNIK GMBH [DE]
- [A] GB 1360796 A 19740724 - DUNLOP HOLDINGS LTD
- [A] DE 3903690 A1 19890817 - VAILLANT JOH GMBH & CO [DE]
- [A] DE 3710244 A1 19890622 - VAILLANT JOH GMBH & CO [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 143 (M - 035) 8 October 1980 (1980-10-08)

Cited by

EP1990580A1; EP1265028A1; EP1314930A3; WO2008138815A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0990845 A2 20000405**; **EP 0990845 A3 20000802**; **EP 0990845 B1 20040616**; DE 19845356 A1 20000406; DE 59909734 D1 20040722

DOCDB simple family (application)

**EP 99115368 A 19990804**; DE 19845356 A 19981002; DE 59909734 T 19990804