

Title (en)

COMBUSTION CHAMBER FOR A COMBUSTION APPARATUS

Publication

EP 0071742 A3 19830803 (DE)

Application

EP 82105749 A 19820629

Priority

DE 3131310 A 19810807

Abstract (en)

[origin: US4453475A] The inner wall of a combustion chamber is composed of a plurality of ceramic plates which are suspended from the outer wall of the chamber by being hooked over mounting portions of the outer wall; this eliminates the need for screws, bolts, welds or the like and facilitates mounting and dismounting of the plates. The plates define with the outer wall a clearance into which cold air is admitted; the upper and lower edges of adjacent plates define with one another respective air gaps communicating with this clearance so that air streams enter the combustion space through these gaps. These air streams prevent the deposition of ash and other contaminants on the inner surfaces of the plates.

IPC 1-7

F23M 5/04; **F23M 5/08**

IPC 8 full level

F23M 5/04 (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP US)

F23M 5/04 (2013.01 - EP US); **F23M 5/085** (2013.01 - EP US)

Citation (search report)

- [A] US 1806113 A 19310519 - OSCAR NYGAARD
- [AD] DE 2317064 B2 19770331
- [A] FR 612978 A 19261105 - UTILISATION DES COMBUSTIBLES S
- [AD] VGB KRAFTWERKSTECHNIK, Band 57, Heft 5, Mai 1977, Seiten 341-344,

Cited by

EP1039224A1; EP0214538A1; EP0166133A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0071742 A2 19830216; **EP 0071742 A3 19830803**; **EP 0071742 B1 19850213**; **EP 0071742 B2 19900523**; AT E11815 T1 19850215; DE 3131310 A1 19830224; DE 3262322 D1 19850328; US 4453475 A 19840612

DOCDB simple family (application)

EP 82105749 A 19820629; AT 82105749 T 19820629; DE 3131310 A 19810807; DE 3262322 T 19820629; US 40670682 A 19820809