

Title (en)
Multi-stage combustion chamber

Title (de)
Brennkammer mit Mehrstufenverbrennung

Title (fr)
Chambre de combustion à plusieurs étage

Publication
EP 0713058 B1 19980513 (DE)

Application
EP 95810698 A 19951108

Priority
DE 4441235 A 19941119

Abstract (en)
[origin: EP0713058A1] At the head end of the combustion chamber, a premix burner (110) is arranged with connecting pre-combustion chamber (61). An acceleration path (70) for flue gas follows the pre-combustion chamber, and issues in an after-combustion chamber (62). In the area of the acceleration path, inflow apertures (64) are arranged in the double-walled combustion chamber limitation. At the entry to the at least one after-combustion chamber, injection devices are arranged for additional fuel. The premix burner is a double cone burner without mechanical flame holder.

IPC 1-7
F23R 3/34; **F23C 6/04**; **F23D 17/00**; **F23R 3/28**

IPC 8 full level
F23R 3/06 (2006.01); **F23C 6/04** (2006.01); **F23C 7/06** (2006.01); **F23D 17/00** (2006.01); **F23N 1/02** (2006.01); **F23R 3/28** (2006.01); **F23R 3/30** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)
F23C 6/047 (2013.01 - EP US); **F23C 7/06** (2013.01 - EP US); **F23R 3/346** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US)

Cited by
US7241138B2; US8057224B2; EP2933559A1

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 0713058 A1 19960522; **EP 0713058 B1 19980513**; CN 1130741 A 19960911; DE 4441235 A1 19960523; DE 59502165 D1 19980618; JP H08219445 A 19960830; US 5645410 A 19970708

DOCDB simple family (application)
EP 95810698 A 19951108; CN 95118855 A 19951119; DE 4441235 A 19941119; DE 59502165 T 19951108; JP 29707995 A 19951115; US 55853595 A 19951116