

Title (en)

METHOD AND DEVICE FOR THE COMBUSTION OF LIQUID AND/OR SOLID PULVERULENT FUELS

Publication

**EP 0204912 A3 19870923 (DE)**

Application

**EP 86104627 A 19860404**

Priority

DE 3520781 A 19850610

Abstract (en)

[origin: US4726760A] A method of and an apparatus for burning liquid and/or solid fuels, especially coal or the like, in pulverized form, the latter either in dry condition or mixed with a carrier liquid such as water and/or oil to form an emulsion being introduced together with the fuel into a combustion chamber to create a spray cone which opens approximately conically, said spray cone being bounded by an external, optionally rotating flow of air. In order to form minute fuel particles immediately downstream of the fuel inlet, the latter is constituted by a central port which is defined by a continuous knife edge. Furthermore, an approximately radially directed air inlet port is associated with said central port on the side remote from the combustion chamber.

IPC 1-7

**F23D 1/00**; **F23D 11/10**; **F23C 7/00**

IPC 8 full level

**F23D 17/00** (2006.01); **F23C 7/00** (2006.01); **F23D 1/00** (2006.01); **F23D 11/10** (2006.01)

CPC (source: EP US)

**F23C 7/00** (2013.01 - EP US); **F23D 1/005** (2013.01 - EP US); **F23D 11/106** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0204912 A2 19861217**; **EP 0204912 A3 19870923**; AU 5719686 A 19861218; CA 1280352 C 19910219; CN 86103682 A 19870218; DE 3520781 A1 19861211; DE 3520781 C2 19870723; DK 270686 A 19861211; DK 270686 D0 19860609; FI 862013 A0 19860514; FI 862013 A 19861211; JP S61285312 A 19861216; US 4726760 A 19880223

DOCDB simple family (application)

**EP 86104627 A 19860404**; AU 5719686 A 19860506; CA 507671 A 19860425; CN 86103682 A 19860604; DE 3520781 A 19850610; DK 270686 A 19860609; FI 862013 A 19860514; JP 12937086 A 19860605; US 85946686 A 19860505