

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)

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Citation (search report)

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