

Title (en)  
DEVICE FOR BURNING FUELS, COMBUSTIBLES, AND NOZZLES THEREFOR

Publication  
**EP 0189390 A3 19880608 (DE)**

Application  
**EP 86890003 A 19860108**

Priority  
AT 19885 A 19850125

Abstract (en)  
[origin: US4728285A] A device for the combustion of fluid materials, especially particulate (i.e. powdered or granular) solid fuels, suspended in a fluid medium, for example coal suspended in water, with a nozzle and a combustion chamber. The nozzle is located in a precombustion chamber opening into the combustion chamber, and the device directs a minor part of the combustion air to the region of the orifice of the nozzle in the precombustion chamber, and a major part of the combustion air to the region of the mouth of the precombustion chamber where it opens into the combustion chamber.

IPC 1-7  
**F23C 6/04**; F23D 11/34; F23D 1/00

IPC 8 full level  
**F23D 99/00** (2010.01); **F23C 6/04** (2006.01); **F23C 7/02** (2006.01); **F23D 1/00** (2006.01); **F23D 1/02** (2006.01); **F23D 11/34** (2006.01)

CPC (source: EP US)  
**F23C 6/04** (2013.01 - EP US); **F23D 11/34** (2013.01 - EP US)

Citation (search report)  
• [X] GB 917706 A 19630206 - KAROLY PEREDI  
• [Y] DE 2548110 A1 19760506 - DUMAG OHG  
• [A] GB 827627 A 19600210 - HEURTEY & CIE  
• [AD] DE 1964040 A1 19700702 - DUMAG OHG

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0189390 A2 19860730**; **EP 0189390 A3 19880608**; **EP 0189390 B1 19910925**; AT E67836 T1 19911015; CA 1257145 A 19890711; CN 1005359 B 19891004; CN 86100280 A 19860730; CS 29886 A3 19921118; CZ 278957 B6 19941019; DD 241639 A5 19861217; DE 3681601 D1 19911031; JP H0463286 B2 19921009; JP S61173016 A 19860804; US 4728285 A 19880301

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**EP 86890003 A 19860108**; AT 86890003 T 19860108; CA 500287 A 19860124; CN 86100280 A 19860118; CS 29886 A 19860114; DD 28642786 A 19860123; DE 3681601 T 19860108; JP 28955985 A 19851224; US 81410685 A 19851227