

Title (en)  
Combustion method and device for vanadium containing fuels

Title (de)  
Vorrichtung und Verfahren zur Verbrennung vanadiumhaltiger Brennstoffe

Title (fr)  
Procédé et dispositif de combustion de combustibles contenant du vanadium

Publication  
**EP 0937944 A3 20000105 (DE)**

Application  
**EP 99103123 A 19990217**

Priority  
DE 19806823 A 19980218

Abstract (en)  
[origin: EP0937944A2] The burner incorporates a starting burner (3) and inlets (8,30) for a fuel-air mixture and combustion air. A top burner (2) is positioned above the combustion chamber (9) and is in a cover (14) containing at least the starting burner and the inlet for the air and pulverized fuel mixture. The mixture emerges from a nozzle (5) on a secant to the cross-sectional surface of the combustion chamber and is conveyed at an angle of between 35 and 65 degrees to the longitudinal axis (24) of the combustion chamber or coaxially with the starting burner to the combustion chamber.

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**F23C 5/00**; **F23C 7/06**; **F23C 9/08**; **F23D 1/02**; **F23J 1/08**; **F23M 5/00**; **F23M 5/08**

IPC 8 full level  
**F23D 1/00** (2006.01); **F23C 3/00** (2006.01); **F23C 5/00** (2006.01); **F23C 5/08** (2006.01); **F23C 7/06** (2006.01); **F23C 9/08** (2006.01); **F23C 99/00** (2006.01); **F23D 1/02** (2006.01); **F23J 1/08** (2006.01); **F23M 5/00** (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP US)  
**F23C 3/008** (2013.01 - EP US); **F23C 5/00** (2013.01 - EP US); **F23C 7/06** (2013.01 - EP US); **F23C 9/08** (2013.01 - EP US); **F23M 5/08** (2013.01 - EP US)

Citation (search report)

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**EP 0937944 A2 19990825**; **EP 0937944 A3 20000105**; **EP 0937944 B1 20030528**; DE 19806823 A1 19990909; DE 19806823 C2 19991209; DE 59905690 D1 20030703; ES 2200418 T3 20040301; JP 3477102 B2 20031210; JP H11281008 A 19991015; US 6148745 A 20001121; US 6422160 B1 20020723

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**EP 99103123 A 19990217**; DE 19806823 A 19980218; DE 59905690 T 19990217; ES 99103123 T 19990217; JP 3973499 A 19990218; US 25144799 A 19990217; US 70387900 A 20001102