

Title (en)
Oil fuel burner systems

Title (de)
Ölbrenneranlage

Title (fr)
Systèmes de brûleurs à mazout

Publication
EP 1006316 A1 20000607 (EN)

Application
EP 98309796 A 19981130

Priority
EP 98309796 A 19981130

Abstract (en)
An atomising oil fuel burner utilises a variable speed positive displacement pump (6) to supply oil fuel to an atomiser (4) . A controller (28) receives signals of the heat demand and adjusts the air and fuel supply accordingly by control of an air damper 24 and by varying the speed of the oil fuel pump. The speed of the pump and the damper setting are monitored to confirm the fuel air mixture ratio supplied to the atomiser. Control of the burner fuel supply is thereby simplified and made independent of the oil fuel viscosity. <IMAGE>

IPC 1-7
F23N 1/02; **F23K 5/04**; **F23N 5/24**

IPC 8 full level
F23K 5/04 (2006.01); **F23N 1/02** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)
F23K 5/04 (2013.01); **F23N 1/022** (2013.01); **F23N 5/242** (2013.01); **F23N 2233/08** (2020.01); **F23N 2235/06** (2020.01); **F23N 2235/10** (2020.01); **F23N 2235/30** (2020.01)

Citation (search report)
• [X] EP 0614048 A1 19940907 - LANDIS & GYR BUSINESS SUPPORT [CH]
• [X] EP 0623785 A1 19941109 - LANDIS & GYR BUSINESS SUPPORT [CH]
• [A] EP 0764817 A1 19970326 - ERNST APPARATEBAU GMBH & CO [DE]
• [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 105 (M - 1092) 13 March 1991 (1991-03-13)
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 558 (M - 1493) 7 October 1993 (1993-10-07)

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