

Title (en)  
OIL BURNER

Title (de)  
ÖLBRENNER

Title (fr)  
BRULEUR A MAZOUT

Publication  
**EP 0764254 A1 19970326 (DE)**

Application  
**EP 95924243 A 19950614**

Priority  
• DE 4421145 A 19940616  
• EP 9502317 W 19950614

Abstract (en)  
[origin: US6004127A] PCT No. PCT/EP95/02317 Sec. 371 Date Nov. 1, 1996 Sec. 102(e) Date Nov. 1, 1996 PCT Filed Jun. 14, 1995 PCT Pub. No. WO95/34786 PCT Pub. Date Dec. 21, 1995A heating system with a combustion chamber into which fuel is fed via a fuel feed unit in the form of an injection device which operates on the energy-storage principle and has a pump and a nozzle device which delivers bursts of fuel in specified quantities. With this fuel burner, it is possible to select both the quantity of fuel injected and the injection frequency independently of any boundary conditions, thereby optimizing levels of harmful pollutants in the exhaust gas and effectively counteracting resonance vibrations in the burner.

IPC 1-7  
**F23K 5/04**; **F23K 5/06**

IPC 8 full level  
**F23K 5/04** (2006.01); **F23K 5/06** (2006.01); **F23M 20/00** (2014.01)

CPC (source: EP US)  
**F23K 5/04** (2013.01 - EP US); **F23K 5/06** (2013.01 - EP US); **F23M 20/005** (2015.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)  
See references of WO 9534786A1

Designated contracting state (EPC)  
AT BE DE FR GB IT SE

DOCDB simple family (publication)  
**US 6004127 A 19991221**; AT E170615 T1 19980915; AU 2883295 A 19960105; AU 690300 B2 19980423; CA 2187275 A1 19951221; DE 4421145 A1 19951221; DE 59503445 D1 19981008; EP 0764254 A1 19970326; EP 0764254 B1 19980902; JP 2935576 B2 19990816; JP H09512896 A 19971222; WO 9534786 A1 19951221

DOCDB simple family (application)  
**US 73735396 A 19961101**; AT 95924243 T 19950614; AU 2883295 A 19950614; CA 2187275 A 19950614; DE 4421145 A 19940616; DE 59503445 T 19950614; EP 9502317 W 19950614; EP 95924243 A 19950614; JP 50164896 A 19950614