

Title (en)

Fuel supply device for burner.

Title (de)

Kraftstoffzufuhreinrichtung für Brenner.

Title (fr)

Dispositif d'alimentation en fuel pour brûleur à fuel.

Publication

EP 0667491 A3 19960327 (FR)

Application

EP 95400282 A 19950210

Priority

DE 4404517 A 19940212

Abstract (en)

[origin: EP0667491A2] The pump (10) is driven by an electric motor (11), supplying fuel to the jet through a stop valve (14). Fuel flows to and from the pressure balancing hydraulic reservoir (42) through the restrictor (25) and two-way valve (29), which spills to the junction (39), thence to the pump suction. On light-up, a small amount of fuel is fed through the restrictor and the pilot valve (29), passing through the feed pipe (40) to feed the pilot flame. After a certain time, the electro magnet (31) is desensitised, closing pilot valve (29). Pressure through the restrictor and the valve (29) balances the force of the accumulator piston in normal operation. If the burner is shut down, the electromagnets (16) and (27), which are always operated together, are deactivated.

IPC 1-7

F23K 5/04; **F23K 5/14**

IPC 8 full level

F23K 5/04 (2006.01); **F23K 5/14** (2006.01)

CPC (source: EP)

F23K 5/04 (2013.01); **F23K 5/147** (2013.01)

Citation (search report)

- [XY] EP 0054599 A1 19820630 - ALTENRHEIN MASCH AG [CH]
- [Y] FR 2552844 A1 19850405 - DANFOSS AS [DK]
- [A] EP 0263340 A2 19880413 - ABIG WERKE CARRY GROSS GMBH

Cited by

US7900477B2

Designated contracting state (EPC)

AT CH DK FR IT LI SE

DOCDB simple family (publication)

EP 0667491 A2 19950816; **EP 0667491 A3 19960327**; DE 4404517 A1 19950817; DE 4404517 C2 19990729

DOCDB simple family (application)

EP 95400282 A 19950210; DE 4404517 A 19940212