

Title (en)  
BURNER SYSTEMS

Title (de)  
BRENNERANLAGE

Title (fr)  
SYSTEMES DE BRULEUR

Publication  
**EP 1000301 B1 20011121 (EN)**

Application  
**EP 98936492 A 19980803**

Priority  
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Abstract (en)  
[origin: WO9906768A1] Fault detection apparatus for a boiler system (10) comprises a first pressure sensor (24) in air supply line (16), downstream of fan and damper (17); and a second pressure sensor (26) in the fuel supply line (14), downstream of the valve (15). Pressures P1 and P2 sensed respectively by sensors (24, 26) are fed to microprocessor (30), together with an indication from sensor (28) of the temperature T1 of the air supply. The microprocessor (30) stores a range of pressure valves across a range of temperatures which are indicative of optimum combustion conditions. Having selected the reference valves appropriate for the temperature sensed, microprocessor (30) compares them with P1 and P2 and produces a measured response in dependence upon the results of the comparison, and ranging from further monitoring (slight deviation between stored and sensed valves) to emergency shutdown (major deviation between stored and sensed valves).

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