

Title (en)
SUCK THROUGH INSTALLATION FOR GAS SENSING ELEMENTS IN HEATING PLANTS

Publication
EP 0276399 B1 19920513 (DE)

Application
EP 87117122 A 19871120

Priority
CH 29687 A 19870128

Abstract (en)
[origin: EP0276399A2] In a heating plant (1), in which the air required for combustion is delivered by a fan (4), and which contains a gas-sensing element (6) for example for optimisation of the combustion, a measuring chamber (10) of the gas-sensing element (6) is connected via a suction pipe (12) to a point of the fan (4), at which, with any load condition of the heating plant (1), a pressure arises, which is lower than that pressure which prevails at the extraction point of the combustion gas for the measuring chamber (10). The gas-sensing element (6) as a result has a smaller adjustment time and thus better behaviour for the optimisation regulation without additional wear-dependent parts such as pumps being necessary.
<IMAGE>

IPC 1-7
F23N 5/00; F24D 19/10; F24H 9/20

IPC 8 full level
F23N 1/02 (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP US)
F23N 1/02 (2013.01 - EP); **F24H 9/2035** (2013.01 - EP US); **F24H 15/20** (2022.01 - EP US); **F24H 15/395** (2022.01 - EP US)

Citation (examination)
EP 0231705 A1 19870812 - BRUNEL GERALD

Cited by
DE4315969A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0276399 A2 19880803; EP 0276399 A3 19890726; EP 0276399 B1 19920513; DE 3705334 A1 19880811; DE 3779095 D1 19920617

DOCDB simple family (application)
EP 87117122 A 19871120; DE 3705334 A 19870219; DE 3779095 T 19871120