

Title (en)
BURNER FOR THE COMBUSTION OF GASEOUS FUELS AND/OR LIQUID FUELS IN THE GASEOUS STATE

Publication
EP 0378517 A3 19910731 (DE)

Application
EP 90810023 A 19900109

Priority
CH 5389 A 19890109

Abstract (en)
[origin: EP0378517A2] A blower produces in the space (44) in front of the screen (41) an air pressure and thus an airflow through the opening (43) into the mixing chamber (23). At the same time, gas flows out of the annular gas outlet (49) to the periphery of the airflow and out of the outlet openings (25) into the centre of the airflow. After practically noiseless ignition by the electrodes (45) in the mixing chamber (23), a short and stable flame is produced at the end of the mixing head (11). With a relatively strong air supply, the air pressure at the gas outlet openings (25) throttles the central gas emission in favour of the peripheral gas emission from the gas outlet (49). This contributes to the stability of the flame. The annular space (19) serves for recirculation of hot combustion gases to the inlet (13). <IMAGE>

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IPC 8 full level
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CPC (source: EP)
F23D 11/402 (2013.01); **F23D 14/34** (2013.01); **F23D 14/62** (2013.01)

Citation (search report)
• [X] EP 0283435 A1 19880921 - VTH AG [LI]
• [XP] EP 0346284 A2 19891213 - VTH AG [LI]
• [A] EP 0048438 A2 19820331 - DEUTSCHE FORSCH LUFT RAUMFAHRT [DE], et al
• [A] WO 8606150 A1 19861023 - YGNIS SA [CH]

Cited by
EP0699867A3; EP0612959A1; DE4324298A1; DE4324298C2

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