

Title (en)
Heating device with a fuel cell

Title (de)
Heizeinrichtung mit einer Brennstoffzellenanordnung

Title (fr)
Dispositif de chauffage avec pile à combustible

Publication
EP 1039244 A3 20031015 (DE)

Application
EP 00105903 A 20000322

Priority
AT 52599 A 19990323

Abstract (en)
[origin: EP1039244A2] The heating plant has a fuel cell arrangement and a parallel additional burner. Both are located in a common or two separate housing/s, formed as low pressure chamber/s. The housing has a common combined combustion air outlet pipe (10,17). The air and exhaust pipes (9,15,7,8) of additional burner and fuel cell arrangement, extend through a common collector (16), which is connected to the combustion air outlet pipe. The air pipe (9) leading to the additional burner is connected to the combustion air pipe (17) via a return valve (14) located in a dividing wall (18), through which the exhaust pipe also extends.

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F24H 1/00; **F23L 17/04**

IPC 8 full level
F23L 17/04 (2006.01); **F24D 18/00** (2022.01); **F24H 1/00** (2006.01)

CPC (source: EP US)
F24D 18/00 (2022.01 - EP US); **F24H 1/0027** (2013.01 - EP); **F23J 2211/101** (2013.01 - EP); **F23J 2211/20** (2013.01 - EP);
F24D 2101/30 (2022.01 - EP US)

Citation (search report)
• [A] US 5335628 A 19940809 - DUNBAR WILLIAM R [US]
• [A] EP 0818840 A1 19980114 - SULZER HEXIS AG [CH]
• [A] US 4262608 A 19810421 - JACKSON BERT W

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EP2538479A4; US6794070B2; US9640820B2; WO0237595A3

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