

Title (en)

Gas fired water heater with a flue gas collecting hood

Title (de)

Gasbeheizter Wassererhitzer mit einer Abgassammelhaube

Title (fr)

Chauffe-eau à gaz avec capot pour collecter les gaz de combustion

Publication

EP 0881439 A3 20000517 (DE)

Application

EP 98106557 A 19980409

Priority

DE 29709431 U 19970530

Abstract (en)

[origin: EP0881439A2] The inlet (10) includes a conduit (12) with a longitudinally extending flow passageway, a portion defining a flow opening for water flow into the passageway and a portion extending from this. Several wall openings are in the wall for water flow from the passageway with a radial component. A deflector extends in the conduit and into a path of the water flow and deflects a portion of the flow outwards through the openings. On installation of the inlet into the tank one end of the conduit extends through the port and the other end into the tank. The wall openings and the deflector coact as the flow is introduced into the tank to reduce generation of temperature gradients within the tank.

IPC 1-7

F24H 9/20

IPC 8 full level

F24H 9/20 (2006.01)

CPC (source: EP US)

F24H 9/205 (2013.01 - EP US); **F24H 15/116** (2022.01 - EP US); **F24H 15/235** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US)

Citation (search report)

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- [Y] US 4080151 A 19780321 - REED ROBERT D, et al
- [A] DE 3008399 A1 19810917 - KUEPPERSBUSCH [DE]
- [A] DE 9216483 U1 19930311
- [A] FR 829532 A 19380629 - BLANC & CIE
- [A] DE 2260517 A1 19740627 - WAMSLER HERD & OFEN GMBH

Cited by

AT503132B1; EP3667198A1; EP1845318A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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