

Title (en)

Direct contact water heater with double chamber

Title (de)

Wassererhitzer mit doppelter Kammer zur direkten Wärmeübertragung

Title (fr)

Chauffe-eau à contact direct à double chambre

Publication

EP 0890803 B1 20011107 (FR)

Application

EP 97401618 A 19970707

Priority

- EP 97401618 A 19970707
- CA 2229671 A 19980216
- CZ 220897 A 19970711
- US 65560996 A 19960530

Abstract (en)

[origin: FR2749376A1] The water heater (10) has a seating (1) with a first water atomiser (12) in the seating to spray water onto a first heat exchanger array (13) held in the seating by a support (15). A heating gas duct (16) is in communication with an upper part of the a seating. A burner (17) is connected to an upper part of the seating to heat the water in a first reservoir in the seating. A second heat exchange array (21) is spaced from the first by a second support (22). A second sprayer (24) is above the second array. A second water reservoir (25) in the seating is below the first array. A passage (27) allows hot gases to pass from the second array to a position above the reservoir.

IPC 1-7

F24H 1/10

IPC 8 full level

F24H 1/10 (2006.01); **F28C 3/06** (2006.01); **F24H 1/20** (2006.01)

CPC (source: EP US)

F24H 1/107 (2013.01 - EP US); **F28C 3/06** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

BE DE DK GB IT NL SE

DOCDB simple family (publication)

US 5765546 A 19980616; CA 2229671 A1 19990816; CA 2229671 C 20051122; CZ 220897 A3 19990217; CZ 292754 B6 20031217; DE 69708076 D1 20011213; DE 69708076 T2 20020314; DK 0890803 T3 20020218; EP 0890803 A1 19990113; EP 0890803 B1 20011107; FR 2749376 A1 19971205; FR 2749376 B1 19980717; HU 219323 B 20010328; HU 9701836 D0 19971229; HU P9701836 A1 19990329

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