

Title (en)

Hot water boiler for domestic hot water preparation

Title (de)

Warmwasserbereiter zur Brauchwassererwärmung

Title (fr)

Chauffe-eau pour la preparation d'eau chaude sanitaire

Publication

EP 1239235 A3 20040114 (DE)

Application

EP 02003704 A 20020219

Priority

DE 10110637 A 20010306

Abstract (en)

[origin: EP1239235A2] The water heater has a stainless steel boiler with top and bottom regions, connected by a center region made in one piece. The boiler has a cold water inlet and a hot water outlet. The top region (2) and bottom region (4) are connected to the one-piece center region (3) by gluing. The center region may consist of a cylinder made from sheet with ends glued to each other.

IPC 1-7

F24H 1/18

IPC 8 full level

F24H 1/18 (2006.01); **F24H 9/02** (2006.01); **F24D 3/08** (2006.01)

CPC (source: EP)

F24H 1/181 (2013.01); **F24D 3/082** (2013.01); **F24D 3/085** (2013.01)

Citation (search report)

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- [A] US 4633820 A 19870106 - MONTINI RENATO [IT]
- [AD] DE 1228873 B 19661117 - LANGEN & CO
- [A] GB 1214453 A 19701202 - OSMA PLASTICS LTD
- [Y] W.BEITZ, K.-H.GROTE (HERAUSGEBER): "Dubbel Taschenbuch für den Maschinenbau 20.Auflage", SPRINGER-VERLANG, BERLIN, HEIDELBERG, XP002261114
- [A] R. QUATREMER: "Précis de Construction Mécanique", AFNOR-NATHAN, PARIS, XP002261115

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EP3521728A1; FR2933481A1; FR2905750A1; WO2006050944A1; WO2008031947A3

Designated contracting state (EPC)

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EP 1239235 A2 20020911; EP 1239235 A3 20040114; BG 106470 A 20021031; CZ 2002810 A3 20021016; DE 10110637 A1 20021002; HU 0200834 D0 20020529; HU P0200834 A2 20020928; HU P0200834 A3 20040728; PL 352608 A1 20020909

DOCDB simple family (application)

EP 02003704 A 20020219; BG 10647002 A 20020304; CZ 2002810 A 20020304; DE 10110637 A 20010306; HU P0200834 A 20020305; PL 35260802 A 20020304