

Title (en)
A BI-FUNCTIONAL ELECTRIC BOILER

Title (de)
ELEKTRISCHER BIFUNKTIONELLER KESSEL

Title (fr)
CHAUDIÈRE ÉLECTRIQUE BIFONCTIONNELLE

Publication
EP 4215835 A1 20230726 (EN)

Application
EP 23460001 A 20230105

Priority
PL 44019722 A 20220123

Abstract (en)
Bi-functional electric boiler comprises an external jacket (1) closed on both sides with lids (top (2) and bottom (3)), electric heating elements (4), inlet (5) and outlet (6) stub pipes for boiler water, and inlet (9) and outlet (10) stub pipes for domestic water. There are electric heating elements (4) fitted in the bottom lid (2) positioned in the bottom part of the boiler, where the elements are encased in an internal jacket (7). Between the external jacket (1) and the internal jacket (7) there is a chamber with a pipe coil (8) placed therein, the pipe coil fitted with an inlet stub pipe (9) for domestic water and an outlet stub pipe (10) for heated domestic water. The chamber within the internal jacket (7) is connected in the top part of the boiler to the said chamber formed between the external jacket (1) and internal jacket (7), the inlet stub pipe (5) for boiler water is connected to the chamber within the internal jacket (7), and the outlet stub pipe (6) for heated boiler water is connected to the chamber formed between the external jacket (1) and the internal jacket (7). The said inlet stub pipe (5) for boiler water, outlet stub pipe (6) for heated boiler water, and the inlet stub pipe (9) for domestic water are positioned in the bottom part of the boiler, whereas the outlet stub pipe (10) for heated domestic water is positioned in the top part of the boiler.

IPC 8 full level
F24H 1/20 (2022.01); **F24H 1/52** (2022.01); **F24H 9/00** (2022.01); **F24H 9/1818** (2022.01)

CPC (source: EP PL)
F24H 1/202 (2013.01 - EP); **F24H 1/225** (2013.01 - PL); **F24H 1/52** (2013.01 - EP PL); **F24H 9/0021** (2013.01 - EP PL); **F24H 9/1818** (2013.01 - EP); **F24H 2250/02** (2013.01 - PL)

Citation (applicant)
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• WO 2009096508 A1 20090806 - DAIKIN IND LTD [JP], et al
• US 2003007790 A1 20030109 - HARRIS HOWARD [US]

Citation (search report)
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• [A] DE 8913323 U1 19891221
• [A] KR 200269025 Y1 20020320
• [A] FR 2603977 A1 19880318 - GENIE CLIMATIQUE THERMIQUE [FR]
• [A] EP 2828587 A2 20150128 - AIC SPÓ KA AKCYJNA [PL]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4215835 A1 20230726; PL 244678 B1 20240219; PL 440197 A1 20230724

DOCDB simple family (application)
EP 23460001 A 20230105; PL 44019722 A 20220123