

Title (en)  
BI-FUNCTIONAL BOILER

Title (de)  
BI-FUNKTIONELLER WASSERERHITZER

Title (fr)  
CHAUFFE-EAU BI-FONCTIONEL

Publication  
**EP 3943831 A1 20220126 (EN)**

Application  
**EP 21460031 A 20210715**

Priority  
PL 43472720 A 20200720

Abstract (en)  
A bi-functional boiler having an outer jacket with two heat exchangers inside thereof, one serving the heating of boiler water, the other the heating of domestic water with the heated boiler water, characterised in that in between the said exchangers (2, 3) there is a partition (4) separating the boiler water heating space (A) from the domestic water heating space (B), where the spaces (A, B) are interconnected via an overflow slot (5) and each of the said spaces (A, B) is connected via a conduit (7, 8) with the circulation pump (6) so that the domestic water heating space (B) is connected with the inlet of the circulation pump (6), and the boiler water heating space (A) is connected with the outlet of the circulation pump (6).

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

CPC (source: EP)  
**F24D 3/08** (2013.01); **F24H 1/36** (2013.01); **F24H 1/43** (2013.01); **F24H 1/44** (2013.01); **F24H 1/52** (2013.01); **F24H 9/0015** (2013.01)

Citation (applicant)  
• WO 0198716 A1 20011227 - STAANGHAMMAR TAGE [SE]  
• PL 223959 B1 20161130 - AIC SPÓŁKA AKCYJNA [PL]

Citation (search report)  
• [A] WO 2013141728 A2 20130926 - AIC SPOLKA AKCYJNA [PL]  
• [A] EP 2489945 A2 20120822 - LAABMAYR ROBERT [AT]  
• [A] DE 8705241 U1 19880811  
• [A] KR 20030082197 A 20031022 - CHOI JIN MIN [KR]  
• [A] KR 20030082199 A 20031022 - CHOI JIN MIN [KR]

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3943831 A1 20220126**; PL 242434 B1 20230220; PL 434727 A1 20220124

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**EP 21460031 A 20210715**; PL 43472720 A 20200720