

Title (en)

Device for flow management in combined heating units for sanitary water and house rooms and boiler unit for combined heating of sanitary water and house rooms

Title (de)

Gerät zur Verwaltung von Flüssigkeiten in kombinierten Kesseln und Kombiniertes Kessel

Title (fr)

Dispositif de gestion de flux dans une chaudière mixte et chaudière mixte

Publication

EP 1582824 A3 20060510 (EN)

Application

EP 05003629 A 20050221

Priority

IT MI20040314 A 20040224

Abstract (en)

[origin: EP1582824A2] Boiler unit including a first circuit for heating of heat-transferring fluid to be sent to a heating system (17) for house rooms and a second circuit for heating of sanitary water to be sent to sanitary water users (16) with said first circuit including a primary heat exchanger (14) for heating the heat-transferring fluid and said second circuit including a secondary heat exchanger (21) for heating sanitary water with said boiler unit including detection means (24) of the required heated sanitary water flow and means (22, 23) of diverting from said first circuit a fraction of the flow of the heat-transferring fluid to send it to the secondary heat exchanger (21) with said diversion means (22, 23) being controlled by control means (26) connected to the detection means (24) to regulate the size of said fraction as a function of the detected sanitary water flow requirement.

IPC 8 full level

F24H 9/14 (2006.01); **F24D 19/10** (2006.01); **F24H 1/52** (2006.01)

CPC (source: EP US)

F24D 19/1066 (2013.01 - EP US); **F24H 9/14** (2013.01 - EP); **F24H 9/142** (2013.01 - EP); **F24H 9/148** (2013.01 - EP); **F24H 1/52** (2013.01 - EP)

Citation (search report)

- [Y] GB 1529680 A 19781025 - BRITISH GAS CORP
- [Y] GB 1270101 A 19720412 - OVERGAARD VERNER [DK]
- [A] GB 1364820 A 19740829 - SAUNIER DUVAL
- [A] GB 1582268 A 19810107 - CHAFFOTEAUX ET MAURY
- [A] FR 2330968 A1 19770603 - VAILLANT SA [FR]

Cited by

EP2093517A1; EP2093516A1; EP2093515A1; EP1847781A3; CN106979612A; US2011308767A1; US9612036B2; EP4124808A1; WO2007098561A1; WO2009136211A3

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