

Title (en)

Heating installation with hot water boiler and priority sequencing for the hot water boiler

Title (de)

Heizungsanlage mit Warmwasserboiler und Vorrangschaltung für den Warmwasserboiler

Title (fr)

Installation de chauffage avec accumulateur d'eau chaude et commande prioritaire pour l'accumulateur d'eau chaude

Publication

EP 0608500 B1 19970507 (DE)

Application

EP 93118169 A 19931110

Priority

CH 24093 A 19930128

Abstract (en)

[origin: EP0608500A1] A heating installation with a hot-water tank (5) and a priority sequencing for the hot-water tank (5) has a control unit (10), a boiler (1), a heating circuit (4) connected to the boiler (1) by a flow and return line (2, 3) respectively, a tank circuit connected to the flow and to the return line (2, 3) by a tank flow and tank return line (6, 7) respectively, a pump (8) and an on/off-controlled changeover valve (9) for directing the hot-water flow from the boiler (1) to the hot-water tank (5) or to the heating circuit (4). The changeover valve (9) is controlled by the control unit (10). The priority sequencing has the effect that the changeover valve (9) can be changed over at the start of the heat demand of the hot-water tank (5), in delayed fashion, to directing the hot-water flow from the boiler (1) to the hot-water tank (5), and at the end of the heat demand of the hot-water tank (5) can be changed over, in delayed fashion, to directing the hot-water flow from the boiler (1) to the heating circuit (4). When using a changeover valve (9) with a central position, at the end of the heat demand of the hot-water tank (5) the changeover valve (9) can, during a follow-up time, distribute the hot-water flow from the boiler (1) both to the hot-water tank (5) and to the heating circuit (4), in order more rapidly to remove the excess heat in the boiler (1) at the end of the priority sequencing. <IMAGE>

IPC 1-7

F24D 19/10

IPC 8 full level

F24D 19/10 (2006.01)

CPC (source: EP US)

F24D 19/1066 (2013.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/32** (2022.01 - EP US); **F24H 15/335** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US)

Citation (examination)

FIRMENSCHRIFT: SIGMAGYR RVP DIGITAL;7/89,CE1P2440D,S.23,24

Cited by

AT411391B; DE19925084C1; AT410134B; AT412120B; EP3835667A1

Designated contracting state (EPC)

CH DE DK LI SE

DOCDB simple family (publication)

EP 0608500 A1 19940803; **EP 0608500 B1 19970507**; DE 59306395 D1 19970612; DK 0608500 T3 19971201

DOCDB simple family (application)

EP 93118169 A 19931110; DE 59306395 T 19931110; DK 93118169 T 19931110