

Title (en)
Heating installation for a building

Title (de)
Heizungsanlage für ein Gebäude

Title (fr)
Installation de chauffage pour bâtiment

Publication
EP 1403588 A3 20050105 (DE)

Application
EP 03018274 A 20030812

Priority
DE 10244340 A 20020924

Abstract (en)
[origin: EP1403588A2] Heating system (1) for a building comprises a heating device (3) with a burner (4) for heating a heating block (5) to transfer heat to a heating fluid of a heating circuit (2) running through the building, a pump (10) for driving the heating fluid in the heating circuit, and a control and/or regulating device (11) for actuating the pump and/or the burner. The control and/or regulating device is designed so that on actuation of the pump and/or the burner the current heat content of the heating circuit, heating block and/or building is taken into account. Preferred Features: The control and/or regulating device determines the heat content of the heating block from a volume flow of heating fluid through the heating block and a difference between a flow temperature of the heating fluid at an outlet (8) of the heating circuit from the heating block and a return temperature of the heating fluid at an inlet (6) of the heating circuit into the heating block.

IPC 1-7
F24D 19/10; F24H 9/20

IPC 8 full level
F24D 19/10 (2006.01)

CPC (source: EP US)
F24D 19/1009 (2013.01 - EP US); **F24H 15/215** (2022.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US)

Citation (search report)

- [X] GB 1022631 A 19660316 - RADIATION LTD
- [X] DE 10057942 A1 20020606 - WEBER THEO [DE]
- [E] EP 1363080 A2 20031119 - HECKMEIER [DE]
- [A] DE 4221715 A1 19930121 - LANDIS & GYR BETRIEBS AG [CH]
- [PA] DE 10060797 C1 20021017 - REHAU AG & CO [DE]
- [A] US 4921163 A 19900501 - VIESSMANN HANS [DE]
- [A] EP 0565853 A1 19931020 - LANDIS & GYR BUSINESS SUPPORT [CH]
- [A] DE 4333507 C1 19941201 - BUDERUS HEIZTECHNIK GMBH [DE]
- [A] EP 0569741 A1 19931118 - LANDIS & GYR BUSINESS SUPPORT [CH]

Cited by
EP2161510A1; EP2463593A1; EP3971484A1; WO2017046374A1; WO2012031688A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1403588 A2 20040331; EP 1403588 A3 20050105; EP 1403588 B1 20070228; DE 10244340 A1 20040401; DE 50306642 D1 20070412

DOCDB simple family (application)
EP 03018274 A 20030812; DE 10244340 A 20020924; DE 50306642 T 20030812