

Title (en)

Heating system and method for heating a plurality of rooms

Title (de)

Heizsystem und Verfahren zum Heizen einer Vielzahl von Räumen

Title (fr)

Système de chauffage et procédé de chauffage de plusieurs pièces

Publication

EP 2530390 A1 20121205 (EN)

Application

EP 11004501 A 20110601

Priority

EP 11004501 A 20110601

Abstract (en)

A heating system for heating a plurality of rooms is provided, comprising a heat source (5), at least one heat exchanger (6-8) in each room (2-4), said heat exchanger (6-8) being connected to said heat source (5) and being controlled by a control valve (9-11) controlling a flow of heating fluid through said heat exchanger, a heat demand sensor (16-18) for each room (2-4), and a control means (12) controlling said control valves (9-11) depending on the heat demand detected by said heat demand sensors (16-18). The rooms should be heated in an energy-saving manner. To this end said control valves (9-11) are on-off-valves and the control means (12) controls an open state of each valve (9-11) depending on said heat demand, wherein said control means (12) opens said control valves (9-11) in a timely distributed manner and controls at least one control valve in an open state in case of no heat demand.

IPC 8 full level

F24D 19/10 (2006.01)

CPC (source: EP US)

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Citation (applicant)

- WO 2010095093 A2 20100826 - UPONOR INNOVATION AB [SE], et al
- DE 102007043714 A1 20090319 - PEDOTHERM GMBH [DE]
- DE 102008051275 A1 20100415 - MOEHLLENHOFF WAERMETECHNIK GMBH [DE]

Citation (search report)

- [YD] WO 2010095093 A2 20100826 - UPONOR INNOVATION AB [SE], et al
- [YDA] DE 102008051275 A1 20100415 - MOEHLLENHOFF WAERMETECHNIK GMBH [DE]
- [YA] WO 2010095092 A2 20100826 - UPONOR INNOVATION AB [SE], et al
- [A] US 2002060251 A1 20020523 - NEVE CHRISTIAN [CH], et al
- [A] FR 2521696 A1 19830819 - CODITHERM CIE DISTR THERMIQUE [FR]
- [A] GB 2468343 A 20100908 - BMCI LTD [GB]

Cited by

EP3919823A1; EP2894408A1; EP3339752A1; RU2671139C1; EP3470745A1

Designated contracting state (EPC)

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