

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)

**F24D 19/1015** (2013.01 - EP US); **F24D 19/1039** (2013.01 - EP US); **F24H 15/254** (2022.01 - EP US); **F24H 15/258** (2022.01 - EP US); **F24H 15/375** (2022.01 - EP US); **F24H 15/486** (2022.01 - EP US)

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

EP2894408A1; EP3919823A1; EP3339752A1; RU2671139C1; EP3470745A1

Designated contracting state (EPC)

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