

Title (en)
METHOD FOR CONTROLLING HEATING SYSTEM

Title (de)
VERFAHREN ZUR STEUERUNG EINES HEIZSYSTEMS

Title (fr)
PROCÉDÉ DE CONTRÔLE DE SYSTÈME DE CHAUFFAGE

Publication
EP 2225496 A4 20151111 (EN)

Application
EP 08857718 A 20081118

Priority
• KR 2008006791 W 20081118
• KR 20070124656 A 20071204

Abstract (en)
[origin: WO2009072759A2] Provided is a method for controlling a heating system capable of organically controlling heating of respective rooms to uniformly heat the respective rooms by proportionally calculating heat supplies required by the respective rooms from a temperature of returned water, even when the heat supplies required by the respective rooms are different from each other depending on external conditions of the respective rooms. The method for controlling a heating system adjusts flow rates of heating water supplied into the respective rooms by adjusting opening rates of a plurality of room valves installed on heating water pipes, characterized in that a temperature of the returned heating water is measured, a ratio of opening rates of the respective room valves is calculated from the measured temperature of the returned water to proportionally supply heat into the respective rooms, and the opening rates of the respective room valves are adjusted depending on the calculated ratio of the opening rates.

IPC 8 full level
F24D 19/10 (2006.01); **G05D 23/19** (2006.01)

CPC (source: EP KR US)
F24D 19/10 (2013.01 - KR); **F24D 19/1018** (2013.01 - EP KR US); **G05D 23/1934** (2013.01 - EP US); **Y02B 30/70** (2013.01 - EP US)

Citation (search report)
• [XAI] DE 102005051198 A1 20070503 - BOSCH GMBH ROBERT [DE]
• [I] DE 4022935 C1 19911219
• [A] US 2006230772 A1 20061019 - WACKNOV JOEL B [US], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009072759 A2 20090611; **WO 2009072759 A3 20090820**; CN 101889174 A 20101117; CN 101889174 B 20140716;
EP 2225496 A2 20100908; EP 2225496 A4 20151111; KR 100924147 B1 20091028; KR 20090058051 A 20090609;
US 2010270385 A1 20101028

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