

Title (en)

Method and system for detecting the hydraulic balance of a heating system

Title (de)

Verfahren und System zur Detektion des hydraulischen Abgleichs einer Heizungsanlage

Title (fr)

Procédé et système destinés à la détection d'un équilibrage hydraulique d'une installation de chauffage

Publication

EP 1936288 A3 20130123 (DE)

Application

EP 07017809 A 20070912

Priority

DE 102006060324 A 20061220

Abstract (en)

[origin: EP1936288A2] The method involves determining heated area, indicating characteristic value of each heating element from its thermal dynamics (K-therm). The characteristic values of multiple heating elements are compared with one another for detecting hydraulic over or under supply. The characteristic value is thermal dynamics. The characteristic value of the down time (t-t) is in between a target and beginning of heating process for increasing room temperature. An independent claim is also included for a system for detecting hydraulic alignment of a heating system.

IPC 8 full level

F24D 19/10 (2006.01)

CPC (source: EP US)

F24D 19/1018 (2013.01 - EP US)

Citation (search report)

- [XII] WO 2004083733 A1 20040930 - DANFOSS AS [DK], et al
- [XYI] EP 0189614 A1 19860806 - TNO [NL]
- [Y] WO 03052536 A2 20030626 - TECHEM DEV GMBH [DE], et al
- [Y] DE 20009158 U1 20000824 - TECHEM SERVICE AG [DE]

Cited by

EP3217104A1; EP4325131A1; FR2931226A1; DE102015121418B3; RU2683346C2; EP3372905A1; EP3115703A1; DE102010034769A1; EP2420748A3; EP3473939A1; EP3936770A1; WO2009024746A3; WO2012146323A3; EP3179173A1; EP4004447B1

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DOCDB simple family (publication)

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EP 07017809 A 20070912; DE 102006060324 A 20061220; DK 07017809 T 20070912; DK 07024614 T 20071219; EP 07024614 A 20071219; PL 07017809 T 20070912; PL 07024614 T 20071219