

Title (en)

Method for operating a hot water heating system

Title (de)

Verfahren zum Betreiben einer Warmwasserheizung

Title (fr)

Méthode de fonctionnement d'un chauffage à eau chaude

Publication

**EP 0640800 B1 19961218 (DE)**

Application

**EP 94113213 A 19940824**

Priority

DE 4328558 A 19930825

Abstract (en)

[origin: EP0640800A1] 2.1. When operating a central hot water heating system, a heating control unit prescribes the boiler water temperature, preferably depending on the weather and/or the room temperature, and switches an oil or gas burner of the boiler on and off periodically in accordance therewith. Since each renewed burner start leads to an increased emission of pollutant, it is aimed to prolong the burner running time per switching-on operation. 2.2. In order to achieve a minimization of the burner start without loss of comfort under all load conditions of a heating installation, the heating control unit is given a large switching hysteresis upon switching on the burner, independently of the boiler water temperature. Said hysteresis becomes continuously smaller with increasing running time of the burner within a prescribed period, until a minimum value of the switching hysteresis which is suitable for continuous operation is reached. 2.3. The method is particularly suitable for heating control units with a two-point output, which are used for burner control in the case of smaller central heating systems. <IMAGE>

IPC 1-7

**F24D 19/10**

IPC 8 full level

**F24D 19/10** (2006.01)

CPC (source: EP US)

**F24D 19/1009** (2013.01 - EP US); **F24H 15/36** (2022.01 - EP US)

Cited by

US7467639B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0640800 A1 19950301**; **EP 0640800 B1 19961218**; DE 4328558 A1 19950302; DE 59401315 D1 19970130

DOCDB simple family (application)

**EP 94113213 A 19940824**; DE 4328558 A 19930825; DE 59401315 T 19940824