

Title (en)  
HEATING INSTALLATION AND METHOD FOR OPERATING THE SAME

Title (de)  
HEIZUNGSANLAGE UND VERFAHREN ZU IHREM BETRIEB

Title (fr)  
SYSTEME DE CHAUFFAGE ET SON MODE DE FONCTIONNEMENT

Publication  
**EP 1161711 B1 20020724 (DE)**

Application  
**EP 00909063 A 20000310**

Priority  
• DE 19911237 A 19990315  
• DK 0000098 W 20000310

Abstract (en)  
[origin: WO0055545A2] The invention relates to a heating installation, comprising a supply vessel (6) with an inlet and an outlet (4, 5) for a heated fluid; and a feed system (9, 10) for a heat transfer fluid with a feed line in which a valve (11) is situated, a temperature probe (4) which detects the temperature of the heated fluid and a control circuit (18) which activates the valve in dependence on a deviation of the temperature from a predetermined value. The invention also relates to a method for operating this installation. The aim of the invention is to obtain a rapid reaction from the installation while exerting a minimal mechanical load on the parts that are moved. To this end, the control circuit (18) has a limit frequency detector (19) which determines fluctuations in the temperature (Tist) and reduces or increases the loop amplification (V) of the control circuit (18) when the frequency is too high or too low, respectively.

IPC 1-7  
**G05D 23/19; F24D 1/00**

IPC 8 full level  
**F24D 1/00** (2006.01); **G05D 23/19** (2006.01); **F24D 19/10** (2006.01)

IPC 8 main group level  
**F24D** (2006.01)

CPC (source: EP US)  
**F24D 17/0078** (2013.01 - EP); **F24D 19/1069** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0055545 A2 20000921; WO 0055545 A3 20001228**; AT E221220 T1 20020815; AU 3147300 A 20001004; BG 105819 A 20020830; CZ 20013296 A3 20020417; DE 19911237 A1 20001019; DE 19911237 C2 20010208; DE 50000314 D1 20020829; DK 1161711 T3 20020916; EE 200100427 A 20021216; EP 1161711 A2 20011212; EP 1161711 B1 20020724; HU P0200360 A2 20020529; PL 194443 B1 20070629; PL 350239 A1 20021118; RU 2240592 C2 20041120; SK 12752001 A3 20020107; UA 57871 C2 20030715; YU 60901 A 20030430

DOCDB simple family (application)  
**DK 0000098 W 20000310**; AT 00909063 T 20000310; AU 3147300 A 20000310; BG 10581901 A 20010815; CZ 20013296 A 20000310; DE 19911237 A 19990315; DE 50000314 T 20000310; DK 00909063 T 20000310; EE P200100427 A 20000310; EP 00909063 A 20000310; HU P0200360 A 20000310; PL 35023900 A 20000310; RU 2001124831 A 20000310; SK 12752001 A 20000310; UA 2001075373 A 20000310; YU P60901 A 20000310