

Title (en)

Electric heater and method for controlling the same

Title (de)

Elektrische Heizung sowie Verfahren zur Regelung einer elektrischen Heizung

Title (fr)

Chauffage électrique et son procédé de contrôle

Publication

**EP 1091621 B1 20060607 (DE)**

Application

**EP 00440266 A 20001005**

Priority

DE 19948313 A 19991007

Abstract (en)

[origin: EP1091621A1] An electric heating installation (1) has at least two electric heating resistances (2) whose heating power can be cascaded by a control device (3). The control device has a controller (4) corresponding to the number of heating resistances which are each assigned to one heating resistance. The control device supplies each controller separately with a clocked pulse-shaped current. The controllers are controlled with a pulse-controlled modulation of the control device. The current pulses to the respective controller are displaced towards each other in time. The current pulses at the respective controller overlap each other in displaced time fashion. The heating resistances are PTC elements.

IPC 8 full level

**H05B 1/02** (2006.01)

CPC (source: EP)

**H05B 1/0236** (2013.01)

Cited by

KR100899611B1; FR3079479A1; EP2741568A4; EP2403094A3; DE102008049277A1; EP1296102A3; US9198231B2; US6917019B2; WO2012143193A1; EP1296102A2; US6872922B2; EP1416770B2

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**EP 1091621 A1 20010411; EP 1091621 B1 20060607**; AT E329475 T1 20060615; DE 19948313 A1 20010412; DE 50012900 D1 20060720

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