

Title (en)

Control circuit and power control apparatus having the control circuit

Title (de)

Steuerschaltung und Leistungsteuervorrichtung versehen mit der Steuerschaltung

Title (fr)

Circuit de commande ainsi que l'appareillage de commande en puissance dudit circuit de commande.

Publication

**EP 1571886 A3 20080702 (EN)**

Application

**EP 05004563 A 20050302**

Priority

- JP 2004060138 A 20040304
- JP 2005049864 A 20050225

Abstract (en)

[origin: EP1571886A2] Providing a control circuit (20) which performs ON/OFF control of a switch section (3) connected between an AC power supply (5) and a heater (4), wherein the control circuit (20) performs control to allow the present turning ON of the switch section (3) when it is determined that an AC power supply (5) waveform (i.e., AC waveform) polarity at a previous turning ON at the switch section (3) is not the same as an AC waveform polarity at a present turning ON; and wherein the control circuit (20) performs control to inhibit the present turning ON of the switch section (3) when it is determined that the polarities are the same.

IPC 8 full level

**G05F 1/45** (2006.01); **H05B 1/02** (2006.01); **G05B 19/04** (2006.01); **G05D 23/19** (2006.01)

CPC (source: EP)

**H05B 1/02** (2013.01); **H05B 1/0208** (2013.01)

Citation (search report)

- [DA] JP 2001265446 A 20010928 - OMRON TATEISI ELECTRONICS CO
- [DA] JP 2002325428 A 20021108 - OMRON TATEISI ELECTRONICS CO

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1571886 A2 20050907**; **EP 1571886 A3 20080702**; **EP 1571886 B1 20120509**; CN 100592227 C 20100224; CN 1664732 A 20050907; JP 2005285103 A 20051013; JP 4453573 B2 20100421

DOCDB simple family (application)

**EP 05004563 A 20050302**; CN 200510054168 A 20050304; JP 2005049864 A 20050225