

Title (en)

HEATING CONTROL WITH REDUCED TEMPERATURE OVERSHOOTS FOR AN IRON AND CORRESPONDING METHOD

Title (de)

HEIZUNGSREGELUNG UND VERFAHREN EINER HEIZUNGSREGELUNG MIT REDUZIERTEN TEMPERATURÜBERSCHREITUNGEN FÜR EIN BÜGELEISEN

Title (fr)

COMMANDE DE CHAUFFAGE ET PROCÉDÉ DE COMMANDE DE CHAUFFAGE À DÉPASSEMENTS DE TEMPÉRATURE RÉDUITS POUR UN FER À REPASSER

Publication

**EP 3409828 B1 20210630 (EN)**

Application

**EP 18172428 A 20180515**

Priority

- ES 201730751 A 20170531
- DE 102017217324 A 20170928

Abstract (en)

[origin: EP3409828A1] An iron is described. The iron comprises a soleplate, a heating element thermally coupled with the soleplate and a thermostat unit configured for controlling operation of the heating element, the thermostat unit being configured for alternately effecting heating phases and non-heating phases of the heating element. The iron further comprises a switch element adapted for switching a power supply of the heating element and a control unit adapted for controlling a switching operation of the switch element. The control unit is configured for assigning a respective time pattern defining one or more power interruption intervals to at least one selected heating phase of said heating phases, with the switch element being configured for interrupting power supply of the heating element during the one or more power interruption intervals in accordance with the respective time pattern.

IPC 8 full level

**D06F 75/26** (2006.01); **D06F 75/24** (2006.01)

CPC (source: EP)

**D06F 75/26** (2013.01); **D06F 75/24** (2013.01)

Citation (opposition)

Opponent : Jochen Ehlers

- JP H05305200 A 19931119 - MATSUSHITA ELECTRIC IND CO LTD
- WO 2016156179 A1 20161006 - KONINKLIJKE PHILIPS NV [NL]
- DE 102010041342 A1 20120126 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- US 4661685 A 19870428 - CONTRI ROBERT F [US]
- US 6452501 B1 20020917 - TSE HONG W C [SG], et al
- DE 202010000152 U1 20100602 - FINKENZELLER ANDREAS [DE]
- US 5463205 A 19951031 - SHAM JOHN C K [HK], et al
- US 4812625 A 19890314 - CESTE SR MARIO G [US]
- WO 2012085746 A1 20120628 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- "Overswing Reducing Timer Control", IP.COM, 28 January 2011 (2011-01-28), XP013142290

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 3409828 A1 20181205; EP 3409828 B1 20210630; PL 3409828 T3 20211129**

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