

Title (en)
Procedure for heating and controlling the heating power and heating device

Title (de)
Verfahren zum Beheizen und Regeln der Heizleistung und Heizvorrichtung

Title (fr)
Procédure pour chauffer et régler la puissance de chauffage et dispositif de chauffage

Publication
EP 1801684 B1 20080213 (DE)

Application
EP 05028110 A 20051221

Priority
EP 05028110 A 20051221

Abstract (en)
[origin: EP1801684A1] The method involves providing an electrical heating device with textile threads, which forms a heatable textile (T) with a heating field (F) and a conductor in a piece of clothing. An alternating voltage is applied on a DC voltage in an alternating direction. The value of the flowing current is found and compared with a desired value in a control device (S). A cycle time from turn on- and turn-off time is adjusted for a power regulation of an extensive constant heating power in the field during each cycle in dependence of value of the measured current, where the regulation is clocked into cycles. An independent claim is also included for a heating device in a piece of clothing.

IPC 8 full level
G05F 3/02 (2006.01); **G01K 7/00** (2006.01); **H05B 3/34** (2006.01)

CPC (source: EP)
H05B 1/0272 (2013.01); **H05B 3/342** (2013.01); **H05B 2203/003** (2013.01); **H05B 2203/013** (2013.01); **H05B 2203/017** (2013.01); **H05B 2203/036** (2013.01)

Cited by
CN107817861A; US10285850B2

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1801684 A1 20070627; **EP 1801684 B1 20080213**; AT E386289 T1 20080315; DE 502005002867 D1 20080327; DK 1801684 T3 20080526

DOCDB simple family (application)
EP 05028110 A 20051221; AT 05028110 T 20051221; DE 502005002867 T 20051221; DK 05028110 T 20051221