

Title (en)

Device with PTC heating cable comprising a current limiting device

Title (de)

Vorrichtung mit PTC Heizkabel versehen mit einer Strombegrenzungsvorrichtung

Title (fr)

Dispositif à cable chauffant CTP comprenant un dispositif de limitation de courant

Publication

**EP 1450582 A1 20040825 (FR)**

Application

**EP 04290433 A 20040218**

Priority

FR 0301926 A 20030218

Abstract (en)

The heating device has a heating cable (7) with a positive temperature coefficient (PTC) and a current limitation device for limiting a current crossing the PTC cable. The limitation device has a resistive unit (6) with a negative temperature coefficient (NTC) mounted in series with the heating cable (7). The NTC unit is chosen such that its resistance is negligible when PTC cable has reached its stable mode.

Abstract (fr)

L'invention concerne un dispositif de chauffage comprenant un câble chauffant à coefficient de température positif (CTP), caractérisé en ce qu'il comprend en outre un dispositif de limitation du courant traversant le câble chauffant. <IMAGE>

IPC 1-7

**H05B 3/56**; **H05B 1/02**

IPC 8 full level

**H05B 1/02** (2006.01); **H05B 3/56** (2006.01)

CPC (source: EP)

**H05B 1/0277** (2013.01); **H05B 3/56** (2013.01); **H05B 2203/019** (2013.01); **H05B 2203/02** (2013.01)

Citation (search report)

[X] WO 0070916 A1 20001123 - ASUK TECHNOLOGIES LLC [US], et al

Cited by

CN109693514A; FR2938397A1; EP2385531A1; EP3291639A1; US2018063886A1; WO2006067485A1; WO2021244802A1; WO2022223089A2; US10368394B2; EP1829425B1

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