

Title (en)
Heating device for waterbeds

Title (de)
Heizungsvorrichtung für Wasserbetten

Title (fr)
Dispositif de chauffage pour lits à eau

Publication
EP 0731624 A3 19961211 (DE)

Application
EP 96103374 A 19960305

Priority
DE 19508315 A 19950309

Abstract (en)
[origin: US5811760A] A heating device for water beds comprises a plurality of electrical resistance conductors arranged between a bed frame and a safety foil, means for controlling the conductors in dependence on the desired temperature of a water core locatable under the safety foil, a plurality of ceramic plates arranged so that the conductors are burnt-in the ceramic plates, a bending resistant metal plate having a lower side, the ceramic plates being glued to the lower side of the metal plate by an adhesive having high thermal conductivity, and a base plate having poor thermal conductivity and placeable on the bed frame, the metal plate being arranged on the base plate in a form-locking manner with an air gap for the ceramic plates.

IPC 1-7
H05B 3/32; **H05B 3/22**; **H05B 3/14**

IPC 8 full level
A47C 21/04 (2006.01); **A47C 27/08** (2006.01); **H05B 3/30** (2006.01)

CPC (source: EP US)
A47C 21/048 (2013.01 - EP US); **A47C 27/081** (2013.01 - EP US); **A47C 27/085** (2013.01 - EP US); **H05B 3/30** (2013.01 - EP US)

Citation (search report)
• [A] DE 4102880 A1 19911205 - SUNBEAM CORP [US]
• [A] DE 4028354 A1 19910307 - INTERCONNECTION B V [NL]
• [A] US 4220848 A 19800902 - MCMULLAN JAMES P [US], et al

Cited by
EP1145670A3; DE202013003828U1; DE202013004462U1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 5811760 A 19980922; AT E189095 T1 20000215; CA 2171410 A1 19960910; DE 19508315 C1 19960509; EP 0731624 A2 19960911; EP 0731624 A3 19961211; EP 0731624 B1 20000119; NL 1002575 A1 19960911; NL 1002575 C2 19980407

DOCDB simple family (application)
US 61256996 A 19960308; AT 96103374 T 19960305; CA 2171410 A 19960308; DE 19508315 A 19950309; EP 96103374 A 19960305; NL 1002575 A 19960311