

Title (en)  
Mattress

Title (de)  
Matratze

Title (fr)  
Matelas

Publication  
**EP 2292123 A1 20110309 (EN)**

Application  
**EP 10015610 A 20050314**

Priority  
• EP 05716046 A 20050314  
• GB 0406225 A 20040319

Abstract (en)  
A mattress (2), comprising: a resilient body having at least one upper surface portion for supporting a person (such as a small child or baby); and a plurality of surface channels (30) disposed in the or each upper surface portion and extending parallel thereto. The upper surface portions (for example three, including separate surface portions for supporting the head and the body) are inclined relative to the horizontal (or preferably, suitably anatomically sloped). The surface channels (30) have a component of direction in the direction of rising slope. In consequence, warm air that has been heated by contact with the person's body, in order to rise, passes along the surface channel (30) and out to the surrounding atmosphere. Thus, heat is dissipated away from the person's body and helps to prevent overheating.

IPC 8 full level  
**A47D 7/00** (2006.01); **A47C 27/00** (2006.01); **A47C 27/14** (2006.01)

CPC (source: EP GB US)  
**A47C 21/042** (2013.01 - GB); **A47C 21/046** (2013.01 - EP US); **A47C 27/144** (2013.01 - EP US); **A47D 7/00** (2013.01 - GB); **A47D 15/001** (2013.01 - EP US); **A47D 15/008** (2013.01 - EP)

Citation (applicant)  
• WO 0100084 A1 20010104 - WILK PATENT DEV CORP [US], et al  
• US 5501879 A 19960326 - MURAYAMA SADAMITSU [JP]  
• US 4536906 A 19850827 - VARDELL SYDNEY A [GB], et al

Citation (search report)  
• [X] US 2002178505 A1 20021205 - KIENLEIN KURT [DE]  
• [X] US 5463785 A 19951107 - MCKEEL WILLIAM H [US]  
• [X] JP 2001204590 A 20010731 - KARIYA MOKUZAI KOGYO KK  
• [X] US 4967433 A 19901106 - NEAL CHARLES O [US]  
• [X] JP H08252152 A 19961001 - MOTOKI YASUMI  
• [X] US 4796316 A 19890110 - BOSELLI ALAIN [FR]  
• [X] DE 29719194 U1 19971218 - KRUEGER PETER DIPL ING [DE]  
• [X] DE 19647669 A1 19980528 - UELKER BUELENT [DE]  
• [X] US 5546618 A 19960820 - BEEDY ROBERT G [US], et al  
• [X] US 6256822 B1 20010710 - WESTON RUSSELL J [US], et al  
• [X] US 6334442 B1 20020101 - ALTAMURA MICHAEL J [US]  
• [X] US 2788061 A 19570409 - BATTISTA PEDROCCHI GIOVAN  
• [X] EP 0036158 A1 19810923 - FORSTER PETER

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

DOCDB simple family (publication)  
**GB 0406225 D0 20040421**; **GB 2412062 A 20050921**; **GB 2412062 B 20070718**; AR 048264 A1 20060412; AU 2005226875 A1 20051006; AU 2005226875 B2 20080918; CA 2560235 A1 20051006; CN 100534358 C 20090902; CN 1946317 A 20070411; EP 1729613 A1 20061213; EP 2292123 A1 20110309; JP 2007529250 A 20071025; NZ 550489 A 20100827; US 2009064419 A1 20090312; WO 2005092154 A1 20051006; WO 2005092154 B1 20051201; ZA 200608592 B 20080430

DOCDB simple family (application)  
**GB 0406225 A 20040319**; AR P050100947 A 20050311; AU 2005226875 A 20050314; CA 2560235 A 20050314; CN 200580012904 A 20050314; EP 05716046 A 20050314; EP 10015610 A 20050314; EP 2005002706 W 20050314; JP 2007503268 A 20050314; NZ 55048905 A 20050314; US 59300905 A 20050314; ZA 200608592 A 20061013