

Title (en)
ENVIRONMENTALLY CONDITIONED FURNITURE

Title (de)
UMWELTMÄSSIG KONDITIONIERTE MÖBEL

Title (fr)
MEUBLE CLIMATISÉ

Publication
EP 1804616 A1 20070711 (EN)

Application
EP 05756131 A 20050613

Priority
• GB 2005002347 W 20050613
• GB 0412998 A 20040611

Abstract (en)
[origin: WO2005120295A1] Environmentally conditioned furniture, such as a bed (10), has a permeable mattress (12) or cushion set upon a plenum chamber base (11), with ventilator fan (13), distribution duct (65) and heater (64), co-operatively disposed to intake ambient air and expel conditioned chamber air through the mattress (12) under temperature and so relative humidity control, for comfort and/or respiratory benefit of a bed occupant; a particular construction employs a shallow unitary moulded tray as a plenum module (135) between mattress and base frame, with self contained conditioner unit (140).

IPC 8 full level
A47C 21/04 (2006.01); **A47C 7/74** (2006.01)

CPC (source: EP)
A47C 7/74 (2013.01); **A47C 7/748** (2013.01); **A47C 21/044** (2013.01); **A47C 21/048** (2013.01)

Citation (search report)
See references of WO 2005120295A1

Cited by
NL2018012B1; LU100967B1; CN111409525A; NL2027735B1; US9974394B2; US10405667B2; US11779127B2; CN111741698A; KR20200111274A; AU2019226008B2; EP3892160A1; WO2016171692A1; NL2027734B1; NL2027736B1; WO2022191706A1; WO2022191704A1; WO2022191705A1; NL2027737B1; WO2022191703A1; US11678748B2; US11744378B2; US12022955B2; WO2015115890A1; US11375825B2; WO2013156438A1; US11160386B2; WO2019165074A1; US9603459B2; US9622588B2; US10226134B2; US11297953B2; US12016466B2; US9814641B2; US10675198B2; US11020298B2; US11045371B2; US11389356B2; US11642265B2; US11903888B2; US11938071B2

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