

Title (en)
AIR MATTRESS

Title (de)
LUFTMATRATZE

Title (fr)
MATELAS PNEUMATIQUE

Publication
EP 1925241 A4 20110323 (EN)

Application
EP 06782570 A 20060809

Priority
• JP 2006315754 W 20060809
• JP 2005244176 A 20050825

Abstract (en)
[origin: EP1925241A1] An objective of the invention is to provide an integral air mattress capable of preventing caving-in. To achieve the above objective, the present invention provides an air mattress consisting of three sheets 1 to 3 stacked and airtightly sealed at their circumferential portions, the mattress comprising: first-layer air cells 6a and 6b consisting of tubular air cells formed widthwise by the first and second sheets 1 and 2; and second-layer air cells 8 consisting of tubular air cells formed widthwise by the second and third sheets 2 and 3, wherein the first-layer air cells 6a and 6b and the second-layer air cells 8 are arranged so as not to overlap in the longitudinal direction. The overlying first-layer air cells 6a and 6b are set at low pressure so as not to cause bedsores easily, while the underlying second-layer air cells 8 are set at high pressure so as not to cause caving-in easily (FIG. 4).

IPC 8 full level
A47C 27/10 (2006.01); **A61G 7/057** (2006.01)

CPC (source: EP KR US)
A47C 27/081 (2013.01 - EP US); **A47C 27/087** (2013.01 - EP US); **A47C 27/10** (2013.01 - EP KR US); **A61G 7/05776** (2013.01 - EP US)

Citation (search report)
• [XAY] US 5890245 A 19990406 - KLEARMAN JEFFREY [US], et al
• [X] DE 3320771 A1 19841213 - NOACK FRITZ
• [Y] EP 1201216 A2 20020502 - MOLTEN CORP [JP]
• See references of WO 2007023676A1

Cited by
FR3109908A1; EP2249684A4; WO2021224464A1

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

DOCDB simple family (publication)
EP 1925241 A1 20080528; EP 1925241 A4 20110323; CA 2620256 A1 20070301; CN 101272716 A 20080924; JP 4876074 B2 20120215; JP WO2007023676 A1 20090326; KR 20080036635 A 20080428; US 2009165212 A1 20090702; WO 2007023676 A1 20070301

DOCDB simple family (application)
EP 06782570 A 20060809; CA 2620256 A 20060809; CN 200680030835 A 20060809; JP 2006315754 W 20060809; JP 2007532056 A 20060809; KR 20087005894 A 20080311; US 99093306 A 20060809