

Title (en)  
AIR MATTRESS

Title (de)  
LUFTMATRATZE

Title (fr)  
MATELAS PNEUMATIQUE

Publication  
**EP 1925241 A4 20110323 (EN)**

Application  
**EP 06782570 A 20060809**

Priority  
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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 ).

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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

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