

Title (en)
BED WITH A MOVABLY MOUNTED MATTRESS SUPPORT

Title (de)
BETT MIT BEWEGLICH GELAGERTER MATRATZENAUFCLAGE

Title (fr)
LIT A SOMMIER MONTE FLEXIBLE

Publication
EP 1246555 B1 20030528 (DE)

Application
EP 01942284 A 20010108

Priority
• DE 10000831 A 20000112
• EP 0100121 W 20010108

Abstract (en)
[origin: DE10000831C1] The bed with a three-dimensionally movable mattress (15) has a frame (10,12) with feet on which the mattress is accommodated in a non-sprung but pliable manner. Over the surface of the mattress sensors (16) are distributed, in order to determine the localized depression of the mattress surface under load. Over the surface of the mattress are distributed lifting devices (19) responding to the localized depression, in order to return the mattresses to the correct horizontal position independently of the localized different loads. The sensors and lifting devices are formed as double-acting pressure medium cylinders and are connected crosswise to each other.

IPC 1-7
A47C 21/00; **A47C 19/00**; **A47D 9/02**

IPC 8 full level
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