

Title (en)
Mattress with adjustment of the firmness

Title (de)
Matratze mit Einstellung der Festigkeit

Title (fr)
Matela avec du réglage de la fermeté

Publication
EP 0757899 B1 20010110 (EN)

Application
EP 96500111 A 19960731

Priority
ES 9501615 A 19950808

Abstract (en)
[origin: EP0757899A1] Taking any conventional mattress, with a central elastic core framed with two pads in turn lined with two outer layers of quilting or cushioning, the improvements lie in replacing at least one pad with a reticulated body (1) in which a number of transversely elongate pneumatic chambers (6) are established, each fitted with its own independent inflating means (10), and therefore the user may, depending on the air pressure supplied to each such transverse chamber (6), vary the degree of general firmness of the mattress at will, and also the degree of firmness along the same. In double beds, these transverse chambers (6) are split into two by means of a longitudinal midwall, to allow the firmness of the two sides of the bed to be independently adjusted, and inflating of said chambers will in any event take place with an appropriate compressing equipment and a set of electrovalves (10), one for each chamber (6), driven independently of the rest. <IMAGE>

IPC 1-7
A47C 27/10

IPC 8 full level
A47C 27/10 (2006.01)

CPC (source: EP)
A47C 27/082 (2013.01); **A47C 27/10** (2013.01)

Cited by
EP0992206A1; GB2432114A; GB2432114B; US7596823B2; US7774881B2

Designated contracting state (EPC)
AT BE CH DE DK FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0757899 A1 19970212; EP 0757899 B1 20010110; AT E198534 T1 20010115; DE 69611490 D1 20010215; DE 69611490 T2 20010823; ES 2123391 A1 19990101; ES 2123391 B1 19990716; GR 3035635 T3 20010629; PT 757899 E 20010629

DOCDB simple family (application)
EP 96500111 A 19960731; AT 96500111 T 19960731; DE 69611490 T 19960731; ES 9501615 A 19950808; GR 20010400480 T 20010326; PT 96500111 T 19960731