

Title (en)

Mattress with cellular structure and integrated selfinflating elements

Title (de)

Matratze mit Zellenstruktur und integrierten selbstaufblasenden Elementen

Title (fr)

Matelas à structure alvéolaire intégrant des éléments autogonflables

Publication

EP 0839480 B1 20030514 (FR)

Application

EP 97460042 A 19971017

Priority

FR 9613486 A 19961030

Abstract (en)

[origin: EP0839480A1] The cellular mattress consists of at least one layer (1,2) of a supple material with transverse cells (3,4), at least some of which contain inflatable chambers (5) connected to pressure regulator (6). The cells can be in two types - one type, preferably polygonal in cross section, made to hold the cylindrical chambers, and the other not. The pressure regulator is equipped with a valve which allows air to escape slowly from the inflatable chambers when a load is applied to them, and re-inflate rapidly when the load is removed. The mattress, depending on area of use, can incorporate a number of foam layers of different densities, and can be adjusted to give the required degree of firmness.

IPC 1-7

A47C 27/08

IPC 8 full level

A47C 27/08 (2006.01)

CPC (source: EP)

A47C 27/081 (2013.01); **A47C 27/084** (2013.01); **A47C 27/18** (2013.01)

Cited by

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DOCDB simple family (publication)

EP 0839480 A1 19980506; **EP 0839480 B1 20030514**; AT E240069 T1 20030515; DE 69721935 D1 20030618; DE 69721935 T2 20040519; ES 2199335 T3 20040216; FR 2754989 A1 19980430; FR 2754989 B1 19990115; PT 839480 E 20030930

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