

Title (en)
ADJUSTABLE MATTRESS STRUCTURE

Title (de)
VERSTELLBARE MATRATZENSTRUKTUR

Title (fr)
STRUCTURE DE MATELAS RÉGLABLE

Publication
EP 3305135 A1 20180411 (EN)

Application
EP 15893692 A 20150602

Priority
CN 2015080567 W 20150602

Abstract (en)
An adjustable mattress structure comprises a mattress body in which there are a plurality of hollow bases, a plurality of elastic support units, a plurality of adjustable positioning boards and a plurality of spring positioning bodies. Each of the elastic support units consists of a first encapsulated elastomer and a second encapsulated elastomer. The first encapsulated elastomer depends on spring positioning bodies to be fixed on one of the hollow bases so that the second encapsulated elastomer extends inside the hollow base. Each of the adjustable positioning boards is fixed inside a hollow base and used to receive a second encapsulated elastomer; the adjustable positioning boards in the hollow bases are situated at distinct positions by which the adjustable positioning boards make the elastic support units generate distinct resilient bearing capacities for adjustable mattress firmness supporting a body curve.

IPC 8 full level
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CPC (source: EP KR)
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Cited by
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 3305135 A1 20180411; **EP 3305135 A4 20181205**; AU 2015397741 A1 20180125; AU 2015397741 B2 20180913; BR 112017026046 A2 20180814; CA 2988177 A1 20161208; CN 107635435 A 20180126; EA 201792681 A1 20180531; JP 2018516132 A 20180621; KR 20180020179 A 20180227; NZ 738807 A 20180831; PH 12017550136 A1 20180507; SG 11201709947X A 20171228; WO 2016192036 A1 20161208

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