

Title (en)
MATTRESS STRUCTURE AND METHOD OF USING TECHNICAL FEATURE THEREOF TO HELP USER TO LEARN ABOUT USE OF MATTRESS STRUCTURE AND DETERMINE WHETHER USER CAN ADJUST TO MATTRESS STRUCTURE

Title (de)
MATRATZENSTRUKTUR UND VERFAHREN ZUR VERWENDUNG EINER TECHNISCHEN EIGENSCHAFT DAVON, UM EINEN BENUTZER ÜBER DIE VERWENDUNG DER MATRATZENSTRUKTUR ZU INFORMIEREN UND ZU BESTIMMEN, OB SICH DER BENUTZER AN DIE MATRATZENSTRUKTUR ANPASSEN KANN

Title (fr)
STRUCTURE DE MATELAS ET PROCÉDÉ D'UTILISATION DE SES CARACTÉRISTIQUES TECHNIQUES PERMETTANT D'AIDER L'UTILISATEUR À APPRENDRE À SERVIR D'UNE STRUCTURE DE MATELAS ET DE DÉTERMINER SI L'UTILISATEUR PEUT S'ADAPTER À LA STRUCTURE DE MATELAS

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Application
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Abstract (en)
[origin: WO2014121665A1] A mattress structure (1), comprising a main axial section, and two or more comfort members (51-59) arranged at different positions along the main axial section; the degree of comfort provided by at least one of the comfort members (51-59) differs from the degree of comfort provided by the other comfort members, so as to define a comfort layer (5) providing different degrees of comfort for different parts of a user body; the comfort layer (5) can be divided into two or more comfort areas corresponding to different parts of the user body; at least one or more of the comfort areas consist of comfort members (51-59) of different sizes; at least one of the comfort members (51-59) is a key comfort member (52, 56) providing a higher comfort effect than the other comfort members; the comfort members (51-59) in the comfort areas can be interchanged or exchanged based on individual needs of the user so as to change the relative positions of the key comfort members (52, 56) in the comfort areas to accommodate different heights of the users and different lengths of the body parts. A user can test a sample mattress structure (1) to learn about the use of the mattress structure (1) and determine whether the user can adjust to the use of the mattress structure (1).

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- [XAI] DE 202007011398 U1 20071018 - GROENEN JOOST [NL]
- [X] WO 2009048209 A1 20090416 - AN JUNG HO [KR]
- [X] DE 102011001428 A1 20120927 - KINGS MICHAEL [DE]
- See also references of WO 2014121665A1

Cited by
EP3348172A1; ES2655064A1; RU190839U1; US10709256B2

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