

Title (en)
CUSHION STRUCTURE

Title (de)
KISSENSTRUKTUR

Title (fr)
STRUCTURE MATELASSEE

Publication
EP 1388310 B1 20050831 (EN)

Application
EP 02769594 A 20020514

Priority
• JP 0204653 W 20020514
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Abstract (en)
[origin: EP1388310A1] A cushioning structure effective to alleviate a blood stream trouble and loads on muscles and to prevent an outbreak of trouble caused by them such as economy-class syndrome and the like is provided. The structure includes an upper elastic member 11 composed of a three-dimensional net member formed by connecting a pair of ground knitted fabrics disposed apart from each other using connecting yarn, and a spring constant in the range of initial load during a pressurizing process is set in the range of 0.1 to 20 N/mm and, at the same time, during a restoring process, a spring constant after restoring to an amount of displacement of 20 mm or less, at the latest, to 2 mm, is set to be lower than the spring constant in the range of initial load during the aforementioned pressurizing process. As a result, when a person comes into contact with a cushioning member by a sitting movement or a standing movement, temporal set in fatigue (stroke) of about several millimeters to about ten and several millimeters is created, thereby improving a feeling of fitting (compatibility) which makes a person feel comfortable, and effectively alleviate a blood stream trouble and loads on muscles. <IMAGE>

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IPC 8 full level
A47C 7/28 (2006.01); **A47C 7/00** (2006.01); **A47C 7/35** (2006.01); **A47C 27/12** (2006.01); **B60N 2/90** (2018.01); **B68G 11/02** (2006.01); **D04B 21/14** (2006.01)

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EP 1388310 A1 20040211; **EP 1388310 A4 20040811**; **EP 1388310 B1 20050831**; CN 1211041 C 20050720; CN 1511005 A 20040707; DE 60205885 D1 20051006; DE 60205885 T2 20060614; JP 2002336076 A 20021126; JP 4832663 B2 20111207; KR 100607432 B1 20060802; KR 20030093345 A 20031206; US 2004142619 A1 20040722; WO 02091884 A1 20021121

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