

Title (en)
CUSHION STRUCTURE

Title (de)
KISSENSTRUKTUR

Title (fr)
STRUCTURE MATELASSEE

Publication
EP 1388310 A4 20040811 (EN)

Application
EP 02769594 A 20020514

Priority
• JP 0204653 W 20020514
• JP 2001145896 A 20010516

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>

IPC 1-7
A47C 27/12; A47C 31/02

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)

CPC (source: EP KR US)
A47C 27/12 (2013.01 - KR); **A47C 27/122** (2013.01 - EP US); **D04B 21/12** (2013.01 - EP US); **D10B 2403/0221** (2013.01 - EP US); **D10B 2505/08** (2013.01 - EP US); **Y10T 442/102** (2015.04 - EP US); **Y10T 442/40** (2015.04 - EP US); **Y10T 442/413** (2015.04 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
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

DOCDB simple family (application)
EP 02769594 A 20020514; CN 02809908 A 20020514; DE 60205885 T 20020514; JP 0204653 W 20020514; JP 2001145896 A 20010516; KR 20037014507 A 20031107; US 47780103 A 20031114