

Title (en)
UNDULATORY MOTION RELAXATION DEVICE FOR FURNITURE WITH A SUSPENSION SYSTEM

Title (de)
NACHGIEBENDE KOMFORTVORRICHTUNG FÜR MÖBEL MIT UNTERSTÜTZUNGSSYSTEM

Title (fr)
DISPOSITIF DE CONFORT ONDULANT POUR MOBILIER AVEC SYSTEME DE SUSPENSION

Publication
EP 0835069 B1 20040317 (FR)

Application
EP 96915920 A 19960606

Priority
• BE 9600055 W 19960606
• BE 9500497 A 19950606
• BE 9500742 A 19950907

Abstract (en)
[origin: WO9639067A1] A relaxation device for furniture, particularly for an armchair or relaxing chair, includes body support flats (11, 12, 13; 101; 201) which are each formed of interconnected elongated support members (3) extending parallel to each other and transversally to a longitudinal axis of the device (Z), a frame (2) and means (23, 43) for coupling the above support flats (11, 12, 13; 101, 201) to the frame (2), characterised in that each set of elongated support members (3) is mounted by means of a multiple action suspension system (S1, S2) which is formed of a first stage suspension unit wherein each pair of adjacent elongated support members (3', 3'') is externally coupled by means of primary intermediate suspension parts (31), and at least one additional second stage suspension unit wherein each pair of adjacent primary intermediate suspension parts (31', 31'') is externally coupled by secondary suspension parts (33; 32', 32'') which are directly (23) or indirectly (23, 33, 24) connected to the frame (2), so that the elongated support members (3) are mutually movable in two modes and can move from an unloaded state (A) to a loaded state (B) with the superimposed undulatory motion of said members (3).

IPC 1-7
A47C 23/06; A47C 31/12

IPC 8 full level
A47C 23/06 (2006.01)

CPC (source: EP US)
A47C 7/024 (2013.01 - EP US); **A47C 7/405** (2013.01 - EP US); **A47C 23/002** (2013.01 - EP US); **A47C 23/0438** (2013.01 - EP US); **A47C 23/062** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 9639067 A1 19961212; AT E261686 T1 20040415; AU 5888596 A 19961224; BE 1009587 A3 19970506; BE 1009754 A3 19970701; DE 69631883 D1 20040422; EP 0835069 A1 19980415; EP 0835069 B1 20040317; PL 181724 B1 20010928; PL 323787 A1 19980427; US 5975641 A 19991102

DOCDB simple family (application)
BE 9600055 W 19960606; AT 96915920 T 19960606; AU 5888596 A 19960606; BE 9500497 A 19950606; BE 9500742 A 19950907; DE 69631883 T 19960606; EP 96915920 A 19960606; PL 32378796 A 19960606; US 97303098 A 19980325