

Title (en)
CHAIR

Title (de)
STUHL

Title (fr)
CHAISE

Publication
EP 1209994 A1 20020605 (DE)

Application
EP 01943400 A 20010518

Priority
• DE 10026531 A 20000527
• EP 0105692 W 20010518

Abstract (en)
[origin: WO0191613A1] The invention relates to a chair (1) comprising a seat (2), a central chair pedestal or several chair legs (5) and a backrest support (4). The front of the seat (2) is mounted so that it can pivot about a first pivoting joint (71) and the rear of said seat is attached in an articulated manner to the backrest support (4), so that it can pivot about a second pivoting joint (72). The backrest support (4) is attached in an articulated manner to the central chair pedestal or the chair legs (5), so that it can pivot about a third pivoting joint (73) and a system of springs exerts a force that is directed upwards on the seat (2) and a force that is directed forwards on the backrest (4'). The inventive chair is characterised in that the system of springs comprises at least one spring (6) consisting of a bent spring steel bar or wire that is fixed onto the central chair pedestal or chair legs (5), each spring having at least one first and one second spring limb (62, 64); that one or several sections (61) of the spring (6) are connected in an articulated manner to the seat (2), bearing the latter and forming at the same time the first pivoting joint (71); and that the spring (6) is supported and braced on the seat (2) and the backrest support (4) in such a way that it exerts the upward force on said seat (2) and the force, which preloads the backrest (4') forwards, on the backrest support (4).

IPC 1-7
A47C 1/032; **A47C 3/025**; **A47C 7/14**

IPC 8 full level
A47C 1/032 (2006.01); **A47C 3/025** (2006.01); **A47C 7/14** (2006.01)

CPC (source: EP US)
A47C 1/032 (2013.01 - EP US); **A47C 1/03255** (2013.01 - EP US); **A47C 1/03277** (2013.01 - EP US); **A47C 31/126** (2013.01 - EP US)

Citation (search report)
See references of WO 0191613A1

Cited by
AT504897B1; EP1989963A1

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)
WO 0191613 A1 20011206; AT E270833 T1 20040715; CA 2379873 A1 20011206; CA 2379873 C 20081223; DE 10026531 A1 20011206; DE 10026531 C2 20020613; DE 50102838 D1 20040819; EP 1209994 A1 20020605; EP 1209994 B1 20040714; ES 2225560 T3 20050316; US 2002084681 A1 20020704; US 6688688 B2 20040210

DOCDB simple family (application)
EP 0105692 W 20010518; AT 01943400 T 20010518; CA 2379873 A 20010518; DE 10026531 A 20000527; DE 50102838 T 20010518; EP 01943400 A 20010518; ES 01943400 T 20010518; US 5074802 A 20020116