

Title (en)
CHAIR STRUCTURE WITH AN ELASTICALLY YIELDING BACKREST

Title (de)
STUHLSTRUKTUR MIT EINER ELASTISCH NACHGEBENDEN RÜCKENLEHNE

Title (fr)
STRUCTURE DE CHAISE COMPORTANT UN DOSSIER ÉLASTIQUEMENT DÉFORMABLE

Publication
EP 3850989 A1 20210721 (EN)

Application
EP 21151767 A 20210115

Priority
IT 202000000682 A 20200116

Abstract (en)
Chair structure with elastically yielding backrest, comprising a first substantially rigid portion (8) of said backrest (4), constrained to a second substantially rigid portion (6) of a seat (2) by means of a connecting element (10), said connecting element (10) comprising a ball joint (12, 14) and a coupling pin (16) integral with one of the two substantially rigid portions (6, 8) to be connected together and engaging in the other, which presents a cavity (34) delimited by a wall (18) having a through hole (36) crossed by said coupling pin (16), characterized in that it comprises at least two elastic elements (20, 20', 22, 50, 52) maintained in a state of prestress, of which at least a first elastic element (20, 20') is arranged around said first coupling pin (16) and at least a second elastic element (22, 50, 52) is interposed between said connecting element (10) and said wall (18), the diameter of said coupling pin (16) being smaller than the diameter of said through hole (36) obtained in said wall (18) to an extent suitable to allow lateral inclinations of a predetermined entity of said pin (16) with respect to the axis of said hole (36).

IPC 8 full level
A47C 7/40 (2006.01); **A47C 7/44** (2006.01)

CPC (source: EP)
A47C 7/40 (2013.01); **A47C 7/448** (2013.01)

Citation (applicant)
CN 108294516 A 20180720 - HANGZHOU DINGHUI HOME TECH CO LTD

Citation (search report)
• [XAI] CN 108294516 A 20180720 - HANGZHOU DINGHUI HOME TECH CO LTD
• [A] EP 0308538 A1 19890329 - STOLL KG CHRISTOF [DE]

Designated contracting state (EPC)
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