

Title (en)

CHAIR AND JOINT SYSTEM FOR A CHAIR OR A SEATING APPARATUS

Title (de)

STUHL BZW. EIN GELENKSYSTEM FÜR EINEN STUHL ODER EINE SITZVORRICHTUNG

Title (fr)

CHAISE ET SYSTÈME DE JOINT POUR UNE CHAISE OU UN APPAREIL D'ASSISE

Publication

**EP 4081072 A1 20221102 (DE)**

Application

**EP 21700542 A 20210112**

Priority

- EP 2021050469 W 20210112
- DE 102020116642 A 20200624

Abstract (en)

[origin: WO2021259522A1] The invention relates to a joint arrangement (10) comprising a hollow-cylindrical accommodating cylinder (12), which extends in a cylinder-axis direction (Z), designed for accommodating one end of a column (30) of an active chair, wherein the latter is movably mounted in a substantially hollow-cylindrical outer joint shell (40), which is made up in two or more parts from joint-shell segments (45), wherein the movable mounting of the accommodating cylinder (20) is realized by means of deformable elastic elements (50) arranged dimensionally and positionally variably in a bearing gap (60) between a respective outer-wall portion (21, 22) of the accommodating cylinder (20) and an inner-wall portion (41, 42) of the joint shell (40), and the accommodating cylinder (20) can be actuated force-dependently, as result of which the shape and/or position of the elastic elements (50) changes in that the size of the bearing gap (60) changes, preferably decreases, in a radial direction (Rs) when the accommodating cylinder (20) is actuated in a cylinder-axis direction (Z).

IPC 8 full level

**A47C 3/025** (2006.01); **A47C 3/24** (2006.01); **A47C 7/44** (2006.01); **A47C 9/00** (2006.01)

CPC (source: EP US)

**A47C 3/025** (2013.01 - EP); **A47C 3/245** (2013.01 - EP US); **A47C 7/448** (2013.01 - EP); **A47C 9/002** (2013.01 - EP); **A47C 3/026** (2013.01 - US); **A47C 7/004** (2013.01 - US); **A47C 9/002** (2013.01 - US); **A47C 9/025** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020116642 A1 20211230**; CN 115151166 A 20221004; EP 4081072 A1 20221102; EP 4081072 B1 20230809; US 2023263308 A1 20230824; WO 2021259522 A1 20211230

DOCDB simple family (application)

**DE 102020116642 A 20200624**; CN 202180012328 A 20210112; EP 2021050469 W 20210112; EP 21700542 A 20210112; US 202117922573 A 20210112