

Title (en)
PIVOT FITTING AND PIECE OF FURNITURE

Title (de)
SCHWENKBESCHLAG UND MÖBEL

Title (fr)
FERRURE DE PIVOTEMENT ET MEUBLE

Publication
EP 3972452 A1 20220330 (DE)

Application
EP 20726813 A 20200518

Priority
• DE 102019113248 A 20190520
• EP 2020063810 W 20200518

Abstract (en)
[origin: WO2020234236A1] A pivot fitting, in particular for movable furniture parts on pieces of upholstered furniture, has at least one first lever (2), which is mounted such that it can be pivoted out of a starting position through a predetermined angle about a force-transmitting shaft (6) serving as an axis of rotation (D) in relation to said shaft, and has a clamping mechanism, by means of which the first lever (2) can be fixed in different angular positions within the predetermined angle relative to the force-transmitting shaft (6), the clamping mechanism having a toothed-ring disc (4, 202, 302), which is positioned on the force-transmitting shaft (6) and has an outer toothing structure (41, 222, 322) formed on the outer periphery, having a catch (5), which is mounted in a pivotable manner on the first lever (2), is loaded in the direction of the outer toothing structure (41, 222, 322) and, in a latching position, is in engagement with the outer toothing structure (41, 222, 322), and having a first control disc (7, 201, 301), which is mounted in a rotatable manner about the force-transmitting shaft (6) and by means of which, following movement through the predetermined angle out of the starting position in an adjustment direction (V), the catch (5) can be disengaged from the outer toothing structure (41, 222, 322), and therefore, with the catch (5) disengaged from the outer toothing structure (41, 222, 322), it is possible, by movement through the predetermined angle (a) in a return direction (R), for the first lever (2) to be pivoted back relative to the force-transmitting shaft (6) into the starting position, wherein at least one friction disc (8, 203, 303, 304) is pushed onto the toothed-ring disc (4, 202, 302), said friction disc being arranged in an axially and rotationally secured manner on the force-transmitting shaft (6), wherein the toothed-ring disc (4, 202, 302) is retained in a frictionally fitting manner on the at least one friction disc (8, 203, 303, 304) such that, up to a predetermined torque (M), it cannot rotate about the axis of rotation (D). A description is also given of a piece of furniture (100).

IPC 8 full level
A47C 1/026 (2006.01); **A47C 7/38** (2006.01); **A47C 7/54** (2006.01)

CPC (source: EP US)
A47C 1/026 (2013.01 - EP); **A47C 1/031** (2013.01 - US); **A47C 7/38** (2013.01 - EP); **A47C 7/541** (2018.08 - EP)

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

DOCDB simple family (publication)
DE 102019113248 A1 20201126; CN 113853139 A 20211228; CN 113853139 B 20240723; EP 3972452 A1 20220330;
EP 3972452 B1 20220907; ES 2928694 T3 20221122; PL 3972452 T3 20230109; US 11839304 B2 20231212; US 2022225770 A1 20220721;
WO 2020234236 A1 20201126

DOCDB simple family (application)
DE 102019113248 A 20190520; CN 202080037719 A 20200518; EP 2020063810 W 20200518; EP 20726813 A 20200518;
ES 20726813 T 20200518; PL 20726813 T 20200518; US 202017611945 A 20200518