

Title (en)
RAISING COLUMN FOR FURNITURE

Title (de)
HUBSÄULE FÜR EIN MÖBEL

Title (fr)
COLONNE DE LEVAGE POUR MEUBLE

Publication
EP 3981288 B1 20231101 (DE)

Application
EP 21196387 A 20210913

Priority
EP 20200316 A 20201006

Abstract (en)
[origin: CA3133239A1] The present application relates to a lifting column for a piece of furniture, in particular for a table. The lifting column comprises a first element and also a second element. The second element is introduced at least some way into the first element. The first element has a spindle, which extends along the longitudinal axis of the first element and projects at least some way into the second element. The second element has a rotor, which is mounted in a rotatable manner in it and has at least one rolling body, which runs in or on a thread helix of the spindle. A rotation of the rotor relative to the spindle gives rise to a linear movement of the second element relative to the first element. The second element also has an arresting device, which, in a first state, blocks the rotation of the rotor relative to the spindle and, in a second state, frees the rotation of the rotor relative to the spindle. At least one leg spring is clamped in between the rotor and a fastening element, which is fastened on the second element, and this leg spring therefore subjects the rotor to a prestressing force.

IPC 8 full level
A47B 9/04 (2006.01)

CPC (source: CN EP KR US)
A47B 9/00 (2013.01 - CN); **A47B 9/02** (2013.01 - KR); **A47B 9/04** (2013.01 - EP KR US); **A47B 9/20** (2013.01 - KR); **A47B 13/02** (2013.01 - CN); **A47B 13/023** (2013.01 - KR); **A47B 2200/0051** (2013.01 - KR); **A47B 2200/0059** (2013.01 - 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

DOCDB simple family (publication)
EP 3981287 A1 20220413; AU 2021245095 A1 20220421; CA 3133239 A1 20220406; CN 114376332 A 20220422; EP 3981288 A1 20220413; EP 3981288 B1 20231101; EP 3981288 C0 20231101; ES 2964518 T3 20240408; JP 2022061496 A 20220418; KR 20220045919 A 20220413; PL 3981288 T3 20240318; TW 202218582 A 20220516; US 11612238 B2 20230328; US 2022104613 A1 20220407

DOCDB simple family (application)
EP 20200316 A 20201006; AU 2021245095 A 20211005; CA 3133239 A 20211004; CN 202111171000 A 20211008; EP 21196387 A 20210913; ES 21196387 T 20210913; JP 2021164152 A 20211005; KR 20210132375 A 20211006; PL 21196387 T 20210913; TW 110137111 A 20211006; US 202117495107 A 20211006