

Title (en)
FURNITURE DRIVE SYSTEM

Title (de)
MÖBELANTRIEBSSYSTEM

Title (fr)
SYSTÈME D'ENTRAÎNEMENT POUR MEUBLE

Publication
EP 3443191 A1 20190220 (DE)

Application
EP 17707747 A 20170214

Priority
• AT 503372016 A 20160415
• AT 2017060027 W 20170214

Abstract (en)
[origin: WO2017177247A1] The invention relates to a furniture drive system (4) for a furniture part (3) that is movably mounted on a furniture body (2), comprising: a mechanical control unit (5) having: at least one pivotably mounted control arm (6) for moving the movable furniture part (3), a spring device (18) for applying force to the control arm (6); a movably mounted control part (10) having a transmission opening (10a) for transmitting a force from the spring device (18) to the control arm (6); an electrical drive unit (7) having: an electric motor (12) for the electric-motor support of motion of the movable furniture part (3), a driver (22), which can be driven by the electric motor (12), for transmitting a torque of the electric motor (12) to the mechanical control unit (5), wherein the driver (22) of the electrical drive unit (7) can be inserted into the transmission opening (10a) of the control part (10), wherein the electrical drive unit (7) and the mechanical control unit (5) are designed as separate assemblies and can be fastened to each other, wherein a contact surface (25) for the driver (22) is arranged laterally adjacent to the transmission opening (10a) and the driver (22) is preloaded toward the contact surface (25) by a force store (23), wherein the driver (22), in a position in which the driver (22) is aligned with the transmission opening (10a), automatically penetrates the transmission opening (10a) by means of the force of the force store (23).

IPC 8 full level
E05F 1/10 (2006.01); **E05F 15/63** (2015.01)

CPC (source: AT EP US)
E05D 15/401 (2013.01 - US); **E05F 1/08** (2013.01 - AT); **E05F 1/1058** (2013.01 - EP US); **E05F 15/60** (2015.01 - AT); **E05F 15/63** (2015.01 - EP US); **E05Y 2201/616** (2013.01 - EP US); **E05Y 2201/71** (2013.01 - US); **E05Y 2400/3013** (2024.05 - US); **E05Y 2600/11** (2013.01 - EP US); **E05Y 2800/205** (2013.01 - US); **E05Y 2800/232** (2013.01 - EP US); **E05Y 2800/238** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

Cited by
WO2022226571A1; WO2022226566A1

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)
WO 2017177247 A1 20171019; AT 518430 A4 20171015; AT 518430 B1 20171015; AU 2017249991 A1 20181011; AU 2017249991 B2 20200507; CN 109072650 A 20181221; CN 109072650 B 20200428; EP 3443191 A1 20190220; EP 3443191 B1 20200129; ES 2785627 T3 20201007; HU E048119 T2 20200528; JP 2019513922 A 20190530; JP 6714727 B2 20200624; US 10590692 B2 20200317; US 2019010747 A1 20190110

DOCDB simple family (application)
AT 2017060027 W 20170214; AT 503372016 A 20160415; AU 2017249991 A 20170214; CN 201780022932 A 20170214; EP 17707747 A 20170214; ES 17707747 T 20170214; HU E17707747 A 20170214; JP 2018553988 A 20170214; US 201816133166 A 20180917