

Title (en)
PIVOTAL FITTING

Title (de)
SCHWENKBESCHLAG

Title (fr)
FERRURE D'ARTICULATION

Publication
EP 3259424 A1 20171227 (DE)

Application
EP 16704452 A 20160215

Priority
• DE 102015102393 A 20150219
• EP 2016053179 W 20160215

Abstract (en)
[origin: CA2974591A1] A pivoting fitting for pivoting a flap (15) hinged on a furniture body, comprising an energy accumulator (2) fastened to a connecting part which can be connected to a body wall, and a lever arrangement (11) which is operatively connected to the energy accumulator (2) and has at least one articulated lever (12), is configured such that the energy accumulator (2) is connected to a control element (6) comprising a cam disc (7) which is fixed but rotatable with respect to the connecting part, which control element is connected in a movement-dependent manner to the articulated lever (12) which is held on the one side on the connecting part and can be held on the other side on the flap (15), and is rotated when the articulated lever (12) is pivoted, wherein in one pivoted end position, the energy accumulator (2) is clamped, and in the other end position is unclamped relative thereto, and wherein the cam disc (7) has a control contour (10) with varying radius of curvature, on which cam disc (7) the energy accumulator (2) is held.

IPC 8 full level
E05F 1/10 (2006.01)

CPC (source: EP KR RU US)
E05D 3/14 (2013.01 - RU US); **E05D 11/10** (2013.01 - RU US); **E05F 1/1075** (2013.01 - EP KR RU US); **E05F 1/1276** (2013.01 - RU US); **E05Y 2201/488** (2013.01 - US); **E05Y 2201/638** (2013.01 - EP KR US); **E05Y 2201/644** (2013.01 - EP KR US); **E05Y 2201/71** (2013.01 - EP KR US); **E05Y 2201/712** (2013.01 - EP KR US); **E05Y 2900/20** (2013.01 - US)

Citation (search report)
See references of WO 2016131780A1

Cited by
WO2023046650A1

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 102015102393 A1 20160825; AU 2016221792 A1 20170817; AU 2016221792 B2 20200723; BR 112017017171 A2 20180403; CA 2974591 A1 20160825; CA 2974591 C 20230516; CN 107532442 A 20180102; CN 107532442 B 20190709; EP 3259424 A1 20171227; EP 3259424 B1 20181114; ES 2711559 T3 20190506; JP 2018509539 A 20180405; JP 6734859 B2 20200805; KR 20170118781 A 20171025; PL 3259424 T3 20190628; RU 2017129928 A 20190319; RU 2017129928 A3 20190521; RU 2709557 C2 20191218; TR 201900609 T4 20190221; US 10253539 B2 20190409; US 2018016829 A1 20180118; WO 2016131780 A1 20160825

DOCDB simple family (application)
DE 102015102393 A 20150219; AU 2016221792 A 20160215; BR 112017017171 A 20160215; CA 2974591 A 20160215; CN 201680010171 A 20160215; EP 16704452 A 20160215; EP 2016053179 W 20160215; ES 16704452 T 20160215; JP 2017543988 A 20160215; KR 20177025280 A 20160215; PL 16704452 T 20160215; RU 2017129928 A 20160215; TR 201900609 T 20160215; US 201615551311 A 20160215