

Title (en)
HINGE DEVICE

Title (de)
SCHARNIERVORRICHTUNG

Title (fr)
DISPOSITIF CHARNIÈRE

Publication
EP 3643862 A4 20210331 (EN)

Application
EP 18821406 A 20180531

Priority
• JP 2017119922 A 20170619
• JP 2018020942 W 20180531

Abstract (en)
[origin: EP3643862A1] A hinge device 3 includes a first hinge body 4 to be attached to a furniture main body and a second hinge body 6 to be attached to a door. The first hinge body 4 includes a base member 5, a main hinge member 30, a positional adjustment mechanism M for adjusting the position of the main hinge member 30 with respect to the base member 5. The positional adjustment mechanism M includes a female-threaded part 37 formed in the main hinge member 30, a receptacle hole 28 formed in the base member 5 and an adjustment screw 70 screwed into the female-threaded part 37. The adjustment screw 70 includes a neck part 73 and nip parts 76, 77 larger in diameter than the neck part 73. The nip parts 76, 77 include a pair of engagement faces 76a, 77a, which nip engagement parts 29 formed on the opposite sides of the receptacle hole 28. The rotation control member 80 made of resin, which is prevented from rotating relative to the base member 5 and the main hinge member 30, has a frictional engagement part 85. The frictional engagement part 85 is held in the receptacle hole 28 while frictionally engaging with the pair of engagement faces 76a, 77a, thereby preventing the rotation of the adjustment screw 70. The neck part 73 of the adjustment screw 70 penetrates the frictional engagement part 85.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [A] WO 2015173353 A1 20151119 - HETTICH ONI GMBH & CO KG [DE]
• [A] DE 2815816 A1 19791018 - SALICE GMBH
• [A] EP 2853667 A1 20150401 - SUGATSUNE KOGYO [JP]
• See references of WO 2018235559A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3643862 A1 20200429; **EP 3643862 A4 20210331**; CN 110741130 A 20200131; CN 110741130 B 20210622; JP 6560461 B2 20190814; JP WO2018235559 A1 20190627; TW 201905310 A 20190201; TW I657184 B 20190421; WO 2018235559 A1 20181227

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EP 18821406 A 20180531; CN 201880039381 A 20180531; JP 2018020942 W 20180531; JP 2018559397 A 20180531; TW 107117606 A 20180523