

Title (en)
ANGLE ADJUSTMENT TOOL AND FURNITURE EMPLOYING IT

Title (de)
WINKELEINSTELLWERKZEUG UND MÖBEL DAMIT

Title (fr)
OUTIL DE RÉGLAGE D'ANGLE ET MOBILIER L'EMPLOYANT

Publication
EP 3400836 B1 20210630 (EN)

Application
EP 18171804 A 20180511

Priority
JP 2017094967 A 20170511

Abstract (en)
[origin: EP3400836A1] PURPOSE The provision of an angle adjustment tool having stable operational characteristics and whose design and manufacture is facilitated. SOLUTION An angle adjustment tool having a first arm (10) providing a wedge-shaped window means (18) having a linear wedge surface (18a), and a second arm (20) providing support enabling swinging about the axial center with respect to the first arm (10), in addition to a circular arc-shaped gear means (26), and a floating wedge member (40) regulating the swinging motion of the second arm (20) to the deployed direction with respect to the first arm (10), by means of the toothed surface (43) meshing with the gear means (26), by slidable displacement of the linear first contact surface (41) along the linear wedge surface (18a), which is displaceably stored in a wedge-shaped space which is not covered by the gear means (26) of said wedge-shaped window means (18), having a linear first contact surface (41) on one surface side contacting the linear wedge surface (18a) positioned outside of said wedge-shaped window means (18), and having a toothed surface (43) on the other surface side meshing with said gear means (26) and of said wedge-shaped window means (18).

IPC 8 full level
A47C 1/026 (2006.01); **A47C 7/40** (2006.01); **A47C 17/12** (2006.01)

CPC (source: CN EP)
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