

Title (en)

Lockable adjusting mechanism for height or inclination adjustable parts of couches, beds or the like

Title (de)

Arretierbare Verstellvorrichtung für höhen- oder neigungsverstellbare Teile an Liegen, Betten oder dergleichen

Title (fr)

Dispositif de réglage, verrouillable, pour des pièces réglables en hauteur ou en inclinaison de canapés, de lits, etc.

Publication

**EP 0606845 B1 19970402 (DE)**

Application

**EP 94100088 A 19940105**

Priority

DE 4300547 A 19930112

Abstract (en)

[origin: EP0606845A1] A lockable adjusting mechanism for height- or inclination-adjustable parts (head part 3) of couches, beds or the like is equipped with a supporting linkage (6) for supporting the adjustable parts and a locking mechanism (8) coupled to the supporting linkage (6). The locking mechanism has a clamping rod (17) and a clamping plate (18) arranged thereon, which clamping plate surrounds with an opening (20) the clamping rod (17) with play and is longitudinally displaceable relative to the clamping rod (17) and also tiltable between a locking position and a release position with respect to the clamping rod (17). In the locking position of the clamping plate (18), the locking mechanism (8) is blocked counter to the supporting-force direction (S) of the supporting linkage (6) and freed in the supporting-force direction. In the release position of the clamping plate (18), the locking mechanism (8) is unlocked counter to the supporting-force direction. The supporting linkage (6) is articulated on the clamping plate (18). The clamping plate (18) is equipped with a latching mechanism (33) for latching in the release position of the clamping plate (18), and also with an inertial mass (mass block 19), in such a way that the clamping plate (18) can pivot, in the case of an accelerated pull on the supporting linkage (6) or the part (head part 3) supported by the latter, in the supporting-force direction (S) under the influence of the moment or inertia of the inertial mass (mass block 19) as abutment into its release position and can be latched in this position with the aid of the latching mechanism (33). <IMAGE>

IPC 1-7

**A47C 20/04**

IPC 8 full level

**A47C 20/04** (2006.01)

CPC (source: EP)

**A47C 20/041** (2013.01); **A47C 20/047** (2013.01)

Cited by

CN110507348A

Designated contracting state (EPC)

CH DE FR LI NL

DOCDB simple family (publication)

**DE 4300547 A1 19940714**; DE 59402257 D1 19970507; EP 0606845 A1 19940720; EP 0606845 B1 19970402

DOCDB simple family (application)

**DE 4300547 A 19930112**; DE 59402257 T 19940105; EP 94100088 A 19940105