

Title (en)

Mechanism for a sofa-bed enabling the adjustment in three positions

Title (de)

Sofabettmechanismus welche die Verstellung in drei Stellungen gestattet

Title (fr)

Mécanisme pour canapé-lit permettant le réglage en trois positions

Publication

EP 0807390 A3 19990609 (EN)

Application

EP 97107379 A 19970505

Priority

IT BA960025 A 19960513

Abstract (en)

[origin: EP0807390A2] Mechanism for a sofa-bed enabling the adjustment in three positions comprising padding elements supported by two frames; said frames can reciprocally move by means of two angle-bars, concurrent in a point; one of said angle-bars 1 supports the frame forming the seat of the sofa-bed and the second one 2 supports the frame forming the back of the sofa-bed; moreover comprising a kinematism which supports said second angle-bar. The mechanism is characterised in that the angle-bars, without interposition of additional elements, constitute a release mechanism enabling the three positions; having the first angle-bar 1 a shaped profile 4, connected to a pawl 7 at two different points 4' and 4'', and having the second angle-bar a toothed profile 3 enabling a cam 9, fixed to said first angle-bar 1, to engage said toothed profile 3; in this way, the relative position among the two angle-bars is well determined both for "divan" and "relax". <IMAGE>

IPC 1-7

A47C 17/175

IPC 8 full level

A47C 17/175 (2006.01)

CPC (source: EP)

A47C 17/1756 (2013.01)

Citation (search report)

- [A] DE 8605100 U1 19860507
- [A] FR 2535182 A1 19840504 - PEITZ & CO STANZWERK [DE]
- [A] BE 900723 A 19850201 - VANGHEENBERGHE JACQUES
- [DA] EP 0380156 A1 19900801 - SEDAC MECOBEL [BE]

Cited by

WO02054915A1; US6738997B2; CN100340200C

Designated contracting state (EPC)

AT BE DE DK ES FR GB

DOCDB simple family (publication)

EP 0807390 A2 19971119; EP 0807390 A3 19990609; EP 0807390 B1 20001102; AT E197232 T1 20001115; DE 69703409 D1 20001207; DE 69703409 T2 20010621; DK 0807390 T3 20010226; ES 2152591 T3 20010201; IT 1287018 B1 19980724; IT BA960025 A1 19971113

DOCDB simple family (application)

EP 97107379 A 19970505; AT 97107379 T 19970505; DE 69703409 T 19970505; DK 97107379 T 19970505; ES 97107379 T 19970505; IT BA960025 A 19960513