

Title (en)

MECHANISM FOR CONVERTING A SOFT FURNITURE ITEM

Title (de)

MECHANISMUS ZUR UMWANDLUNG EINES WEICHEN MÖBELELEMENTS

Title (fr)

MÉCANISME DE TRANSFORMATION D'OBJET DE MOBILIER MOU

Publication

EP 2850973 A4 20160309 (DE)

Application

EP 12875104 A 20121109

Priority

- EA 201200623 A 20120423
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Abstract (en)

[origin: WO2013162410A1] The invention relates to the production of furniture, and more specifically to mechanisms for converting articles of soft furniture, and can be used in sofa or bed structures. The converting mechanism comprises two hinged elements with multiple members, said hinged elements being connected by a bar and each being comprised of a supporting member and an upper platform member, an intermediate platform member and a lower platform member for attachment to the sleeping sections. The platform members are interconnected by means of two rotatable members in the form of angle levers, each of which is hingedly connected by an angular part to the supporting member, by an end portion of a short arm to the lower platform member, and by a medium arm to the intermediate platform member, wherein the end portions of a long arm of each angle lever are hingedly connected to the upper platform member. The mechanism can additionally be equipped with a support for the intermediate platform member and with a supporting roller which is mounted on the lower platform member. An unloading device of the mechanism is preferably in the form of a tension spring which is connected to the short arm of a rotatable member.

IPC 8 full level

A47C 17/13 (2006.01)

CPC (source: EP)

A47C 17/134 (2013.01)

Citation (search report)

- [A] DE 8804837 U1 19880526
- [A] RU 2340269 C1 20081210 - PROIZV OB ALLEGRO KLASSIKA AOZ [RU]
- [A] US 1732522 A 19291022 - JOSEPH MARTIN
- [A] EP 0245219 A2 19871111 - ZORZETTO RENATO STEMA SAS [IT]
- See references of WO 2013162410A1

Cited by

CN112021855A; EP4135556A4; US11812855B1; US12075913B2

Designated contracting state (EPC)

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