

Title (en)

MOTOR-DRIVEN SUPPORT DEVICE FOR THE UPHOLSTERY OF A PIECE OF FURNITURE USED TO SIT OR LIE DOWN, ESPECIALLY A MATTRESS FOR A BED

Title (de)

MOTORISCH VERSTELLBARE STÜTZEINRICHTUNG FÜR EINE POLSTERUNG EINES SITZ- UND/ODER LIEGEMÖBELS, INSBESONDERE EINE MATRATZE EINES BETTES

Title (fr)

DISPOSITIF SUPPORT MOTORISE DESTINE AU REMBOURRAGE D'UN MEUBLE D'ASSISE ET/OU DE COUCHAGE, NOTAMMENT AU MATELAS D'UN LIT

Publication

EP 1633219 B1 20061122 (DE)

Application

EP 04733805 A 20040519

Priority

- EP 2004005403 W 20040519
- DE 10325796 A 20030605

Abstract (en)

[origin: US2007220677A1] Motor-driven support apparatus for the upholstery of a piece of furniture used to sit on or lie down on, especially for a mattress for a bed. Apparatus includes a first support element having first and second longitudinal rails, and a second supporting element displaceable by a drive. The second support element is pivotable relative to the first support element. The first longitudinal rail is hollow profiled to receive parts of the drive. A drive motor is outside the first longitudinal rail, with an end opposite an output shaft of the drive motor. A recess is formed in a wall of the first rail faces the second rail. The output shaft of the drive motor, or a first transmission element, protrudes into the first rail, through the recess, and engages a second transmission element inside the first rail.

IPC 8 full level

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CPC (source: EP US)

A47C 20/041 (2013.01 - EP US); **A47C 20/08** (2013.01 - EP US)

Cited by

EP2792277A1; DE102013013199B4; DE102014115084A1; DE102016121568A1; EP1750553A1; EP2974622A1; DE102014115039A1; DE102014115126A1; US10010464B2; DE102015106994A1; WO2016177526A1; DE202016008655U1; EP2974623A1; DE102014115033A1; EP3009051A1; DE102015117189A1; US9877589B2; DE102021102440A1; EP3009052A1; DE102014115125A1; EP3320808A1; DE202021101715U1; DE102013013199A1; DE102014105092A1; DE102021108208A1; DE202013007106U1; DE102013110094A1; DE102013110096A1; EP2878230A1; DE202021104109U1; DE102021120007A1; WO2022033928A1; DE102021105230A1

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US 2007220677 A1 20070927; AT E345716 T1 20061215; CN 1798512 A 20060705; CN 1798513 A 20060705; DE 102004016048 A1 20041230; DE 20308887 U1 20041007; DE 502004002102 D1 20070104; EP 1633219 A1 20060315; EP 1633219 B1 20061122; ES 2276303 T3 20070616; JP 2006526439 A 20061124; WO 2004107923 A1 20041216

DOCDB simple family (application)

US 29349805 A 20051205; AT 04733805 T 20040519; CN 200480015464 A 20040519; CN 200480015465 A 20040526; DE 102004016048 A 20040401; DE 20308887 U 20030605; DE 502004002102 T 20040519; EP 04733805 A 20040519; EP 2004005403 W 20040519; ES 04733805 T 20040519; JP 2006508182 A 20040519