

Title (en)

SUPPORT DEVICE ADJUSTABLE BY AN ELECTRIC MOTOR

Title (de)

ELEKTROMOTORISCH VERSTELLBARE STÜTZEINRICHTUNG

Title (fr)

DISPOSITIF DE SOUTIEN RÉGLABLE AU MOYEN UN MOTEUR ÉLECTRIQUE

Publication

EP 2418982 A1 20120222 (DE)

Application

EP 10716282 A 20100331

Priority

- EP 2010002088 W 20100331
- DE 102009017894 A 20090417

Abstract (en)

[origin: WO2010118830A1] The invention relates to a support device (2) which can be adjusted by an electric motor for supporting the cushioning arrangement of an item of furniture for sitting or lying on, in particular a bed mattress. Said support device comprises a base body (4) which comprises a first support part (6) which can be adjusted, in particular pivoted, in relation to a second support part (10). Said support device (2) comprises an electric motor adjusting device (12) which is operatively connected to the first support part for the adjustment thereof. Said adjusting device (12) comprises a first adjusting unit (16) and a second adjusting unit (18) which are arranged on opposite longitudinal sides of the base body (4). A rotationally fixed component of the first adjusting unit (16) is connected in an essentially rotationally fixed manner to the same component of the second adjusting unit (18) by means of a connecting shaft (22) and a common electric motor is associated with the adjusting units (16, 18). According to the invention, the rotationally mounted component is respectively an input-sided transmission element of a reduction gear.

IPC 8 full level

A47C 20/04 (2006.01); **A47C 20/08** (2006.01)

CPC (source: EP US)

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

Citation (search report)

See references of WO 2010118830A1

Cited by

DE102021108235A1; DE102022111839A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009017894 A1 20101021; **DE 102009017894 B4 20140911**; CN 102395299 A 20120328; EP 2418982 A1 20120222; EP 2418982 B1 20130306; JP 2012523867 A 20121011; US 2012060287 A1 20120315; WO 2010118830 A1 20101021

DOCDB simple family (application)

DE 102009017894 A 20090417; CN 201080016791 A 20100331; EP 10716282 A 20100331; EP 2010002088 W 20100331; JP 2012505075 A 20100331; US 201113275056 A 20111017