

Title (en)  
SUPPORTING DEVICE ADJUSTABLE BY MEANS OF AN ELECTRIC MOTOR

Title (de)  
ELEKTROMOTORISCH VERSTELLBARE STÜTZEINRICHTUNG

Title (fr)  
DISPOSITIF DE SUPPORT RÉGLABLE AU MOYEN D'UN MOTEUR ÉLECTRIQUE

Publication  
**EP 4142545 A1 20230308 (DE)**

Application  
**EP 21755440 A 20210803**

Priority  

- DE 202020104670 U 20200812
- DE 202020104959 U 20200827
- DE 102021108345 A 20210401
- DE 202021101760 U 20210401
- EP 2021071672 W 20210803

Abstract (en)  
[origin: WO2022033928A1] A supporting device (2) which is adjustable by means of an electric motor for supporting the upholstery of a piece of seating and/or reclining furniture, in particular a mattress of a bed, has a base part (4) and a support part (6). At least one of the parts (4, 6) has at least one lifting guide element (34) which is located thereon and acts in the manner of a wedge, and which is shaped in such a way and is or can be brought into operative connection with the adjusting element (32) such that, in the event of a relative movement between the adjusting element (32) and the lifting guide element (34) along the linear axis, the support part (6) is pivoted relative to the base part (4) about the support part pivot axis (8).

IPC 8 full level  
**A47C 20/04** (2006.01)

CPC (source: EP)  
**A47C 20/041** (2013.01)

Citation (search report)  
See references of WO 2022033928A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 202021104109 U1 20211115**; CN 116056610 A 20230502; DE 102021119984 A1 20220217; DE 102021120007 A1 20220217; DE 112021002148 A5 20230316; EP 4142545 A1 20230308; WO 2022033928 A1 20220217

DOCDB simple family (application)  
**DE 202021104109 U 20210802**; CN 202180056432 A 20210803; DE 102021119984 A 20210802; DE 102021120007 A 20210802; DE 112021002148 T 20210803; EP 2021071672 W 20210803; EP 21755440 A 20210803