

Title (en)

DEVICE FOR AUTOMATICALLY RAISING OR LOWERING THE TILTABLE BACK REST OR LEG REST OF AN ARMCHAIR OR BED

Title (de)

VORRICHTUNG ZUM AUTOMATISCHEN ANHEBEN ODER ABSENKEN DES KÖRPER- ODER BEINABSCHNITTS EINES SESSELS ODER BETTES

Title (fr)

DISPOSITIF PERMETTANT DE LEVER OU D'ABAISSEZ AUTOMATIQUEMENT LES ELEMENTS RELEVÉ-BUSTE ET RELEVÉ-JAMBES D'UN FAUTEUIL OU D'UN LIT

Publication

EP 0804110 A1 19971105 (FR)

Application

EP 95902805 A 19941129

Priority

- FR 9401387 W 19941129
- FR 9314484 A 19931129

Abstract (en)

[origin: WO9514412A1] A device suitable for an armchair or bed including a supporting structure with a frame (2). The device includes a gas strut combined with each movable member, i.e. a back rest (4) and a leg rest of the armchair or bed, and arranged to be extended so as to raise said movable members. The gas strut engaged in a U-shaped member (10") with two openings (12) provided with detents may be vertically adjusted via two positioning rods for adjusting the thrust exerted by the strut on the movable members, in order to increase or reduce the force exerted to raise same. As a result, the durability of the gas strut is increased. The adjustment enables the actuating force to be matched to the weight of the person supported by said movable members. A telescoping (11) or foldaway (11") lever designed to be non-obstructing is combined with each gas strut and provided at the sides of the bed adjacent to the pivotal point of the back rest or leg rest. The lever operates the strut via two pivots (49 and 51), a linkage (50) and a bearing surface (52), which is movable to release the gas strut, a U-shaped locking member (53) on a pin (54) being rotatable to prevent release of the gas strut.

IPC 1-7

A47C 20/04

IPC 8 full level

A47C 20/04 (2006.01)

CPC (source: EP)

A47C 20/041 (2013.01)

Citation (search report)

See references of WO 9514412A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI SE

DOCDB simple family (publication)

WO 9514412 A1 19950601; EP 0804110 A1 19971105; FR 2713065 A1 19950609; FR 2713065 B1 19960802

DOCDB simple family (application)

FR 9401387 W 19941129; EP 95902805 A 19941129; FR 9314484 A 19931129