Title (en)

CHAIR

Publication

EP 0264029 B1 19920715 (DE)

Application

EP 87114333 A 19871001

Priority

- CH 258987 A 19870708
- CH 412486 A 19861014

Abstract (en)

[origin: US4790598A] The chair has a seat or seat portion equipped with a balance and its linkage structure has links fixed in articulated manner to a support arm and to which there is articulated a balance device in parallelogram-like manner. A slide is slidingly guided on the balance device and is connected by means of a thrust rod to an extension arm of the backrest-side link. The slide is also connected to one end of a spring element, the other end of which is supported on the balance device. The linkage structure is supported on the backrest by means of a backrest strut articulated to the slide. The seat and backrest portions of the chair frame can be constructed as a plastic shell with a knee-side bending joint and a further bending joint between the seat portion and the backrest portion. Due to the construction of the chair frame to incorporate a balance device, as least part of the forces exerted by the occupant or user of the chair can be absorbed by the balance device, so that the spring element can be made smaller and therefore less expensively, and there is also no need to adjust or adapt the spring element to different body weights of the users of the chair.

IPC 1-7

A47C 1/032; A47C 3/026

IPC 8 full level

A47C 1/024 (2006.01); **A47C 1/032** (2006.01); **A47C 3/02** (2006.01); **A47C 3/025** (2006.01); **A47C 3/026** (2006.01)

CPC (source: EP US)

A47C 1/03255 (2013.01 - EP US); **A47C 1/03283** (2013.01 - EP US); **A47C 1/03294** (2013.01 - EP US); **A47C 31/126** (2013.01 - EP US)

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DE3821042A1; US5664835A; WO9703590A1; WO9526152A1

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US 10645587 A 19871009; AT 87114333 T 19871001; AU 7924187 A 19870930; BR 8705450 A 19871013; CA 548281 A 19870930; CH 258987 A 19870708; CH 412486 A 19861014; DE 3780399 T 19871001; DK 535887 A 19871013; EP 87114333 A 19871001; FI 874519 A 19871013; JP 25945087 A 19871014; JP 7576287 A 19870328; NO 874262 A 19871013; PT 8590387 A 19871012; ZA 877507 A 19871006