

Title (en)
MECHANISM FOR A CHAIR

Title (de)
MECHANIK FÜR EINEN STUHL

Title (fr)
MECANISME POUR UNE CHAISE

Publication
EP 2010027 A2 20090107 (DE)

Application
EP 07720098 A 20070427

Priority
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• CH 7002006 A 20060427

Abstract (en)
[origin: WO2007124609A2] The mechanism which is designed for a chair, in particular for a rotatable office chair with a gas spring which is arranged in a vertical manner in the lower frame of said chair and has a telescopically extendable piston rod for adjusting the height of a seat, has the effect that the adjustment of the inclination of the seat is synchronous with the adjustment of the inclination of the backrest. The mechanism has a base (20) which is stationary per se, through which a stationary first rotary shaft (D1) extends and on which a seat support which can be inclined is mounted. A front connecting means (21) which is connected in an articulated manner in a stationary third rotary shaft (D3) on the base (20) and in a moveable fourth rotary shaft (D4) is arranged between the base (20) and the seat support. The mechanism also has a rear connecting means (24) which is connected in an articulated manner in a moveable sixth rotary shaft (D6) at one end and in a further moveable rotary shaft (D5) at the other end. The mechanism contains at least one first spring element (26) which acts between the base (20) and the seat support and is connected in an articulated manner in the fourth rotary shaft (D4). At the other end, this first spring element (26) is connected in an articulated manner in a moveable eighth rotary shaft (D8) whose position can be varied by means of a gear mechanism (25) which can be operated by the user from the outside. The first spring element (26) is advantageously a gas spring which can be blocked by means of a locking element (218) which can be operated by the user and with which the seat and backrest are locked in the inoperative position.

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Citation (search report)
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