A sitting arrangement

Field of the invention

The present invention relates to a sitting arrangement for a settee, armchair or longseat (chaise longue) or similar. In particular, it relates to a sitting arrangement with an adjustable or tilting seat.

Background

From DE 10200401 A1 there is known a settee wherein a seat may be tilted with an elevation arrangement at the back edge of the seat. However, this tilting mechanism is only suited for converting a seat into a tilted pillow acting as a back support.

Further, in some models of the StressLess series of settees produced by the present applicant, there are curved sliding guides in the seat and back allowing each seat part to be pushed into a more backward position or into a more raised position.

However, all prior art solutions are quite complicated with many cooperating elements. This contributes to an expensive production and thus a high price on the product, and may limit the "comfort range" of the product, i.e. in which positions it is comfortable for a user to sit or lie down on a settee.

Summary of the invention

~~It is an object~~Embodiments of the present invention seek to provide a settee or other sitting/reclining furniture that has an improved comfort with a tilting seat, without restricting the number of comfortable user positions, or appreciably raising the price of the product.

~~This is achieved in a sitting arrangement according to claim 1, which is suited for being incorporated in a settee, armchair or longseat.~~

According to a first aspect of the present invention, there is provided a sitting arrangement including a support frame, seat part and backrest, the seat part includes a seat frame formed by sidebars, a front bar and rear bar, where the seat part is articulated connected to the support frame in at least one mounting mechanism located below a sitting surface of the seat part, and at least one balance spring is mounted between the seat part and the support frame, and where the support frame includes first and second side elements and front and rear frame elements characterized in that, the mounting mechanisms are mounted asymmetrically to the seat part compared with a central axis through the seat part, so that the hinge line will be located between the knees and hip of a user sitting on the sitting arrangement in an ordinary way with parallel legs and the back against the backrest, said mounting mechanism being located between the side bars of the seat part and the side elements of the support frame.

According to a second aspect of the present invention, there is provided a settee including a sitting arrangement according to the first aspect.

According to a third aspect of the present invention, there is provided a longseat including a sitting arrangement according to the first aspect, wherein a flap in a first end is articulately connected to the seat part as a prolongation of this, the flap also being articulated connected to the support frame in a second end distant from said first end.

According to a fourth aspect of the present invention, there is provided a chair including a sitting arrangement according to the first aspect.

Brief description of the drawings

The invention will now be further described by means of the embodiments in the appended drawings, in which:

~~Amended Claims~~

~~(12 December 2011)~~

1. A sitting arrangement ~~(1)~~ including a support frame ~~(2)~~, seat part ~~(4)~~ and backrest ~~(3)~~, the seat part ~~(4)~~ includes a seat frame formed by sidebars ~~(9a, b)~~, a front bar ~~(10a)~~ and rear bar ~~(10b)~~, where the seat part ~~(4)~~ is articulated connected to the support frame ~~(2)~~ in at least one mounting mechanism ~~(8a, b)~~ located below a sitting surface of the seat part ~~(4)~~, and at least one balance spring ~~(14)~~ is mounted between the seat part ~~(4)~~ and the support frame ~~(2)~~, and where the support frame includes first and second side elements and front and rear frame elements characterized in that, the mounting mechanisms ~~8a, b~~ are mounted asymmetrically to the seat part ~~(4)~~ compared with a central axis through the seat part, so that the hinge line will be located between the knees and hip of a user sitting on the sitting arrangement in an ordinary way with parallel legs and the back against the backrest ~~(p. 3, lines 19-23) and that the support frame includes first and second side elements (2a, b) and front and rear frame elements (2c, d)~~, said mounting mechanism ~~(8a, b)~~ being located between the side bars ~~(9a, b)~~ of the seat part ~~(4)~~ and the side elements ~~(2a, b)~~ of the support frame ~~(2)~~.

2. A sitting arrangement ~~(1)~~ according to claim 1, wherein said seat frame or a protruding part thereof being located between at least one end stop ~~(12, 13)~~ of the support frame ~~(2)~~, said end stop or stops ~~(12, 13)~~ limiting the possible turning angle of the seat part ~~(4)~~.

3. A sitting arrangement ~~(1)~~ according to claim 1 or 2, wherein the mounting mechanism is located about 1/3 the distance from the front element ~~(2c)~~.

4. A sitting arrangement ~~(1)~~ according to claim 1, wherein the seat part ~~(4)~~ is adapted to tilt downwards 10 degrees maximum, and preferably 5 degrees from a horizontal line.

5. A settee including a sitting arrangement ~~(1)~~ according to one of the claims 1-4.

6. A longseat including a sitting arrangement ~~(1)~~ according to one of the claims 1-4, wherein a flap ~~(16)~~ in a first end is articulately connected to the seat part ~~(4)~~ as a prolongation of this, the flap also being articulated connected to the support frame in a second end distant from said first end.

7. A longseat according to claim 7, wherein the flap is connected to the seat part in elastic joints ~~(17a, b)~~.

8. A chair including a sitting arrangement ~~(1)~~ according to one of the claims 1-4.