

CLAIMS

[Claim 1]

A chair comprising a reclinable/straightenable back frame and a reclinable/straightenable head frame in relation to the back frame, wherein

as the back frame reclines rearward from an upright position, the head frame rises in relation to the back frame, and after an angle of the head frame in relation to a vertical axis of the back frame reaches a prescribed angle, the head frame reclines in relation to the back frame as the back frame reclines further rearward; and

as the back frame rises from the reclined position, the head frame rises in relation to the back frame, and after an angle of the head frame in relation to the vertical axis of the back frame reaches a prescribed angle, the head frame reclines in relation to the back frame as the back frame further rises,

said chair further comprising a guide groove and a guide member provided movably in the guide groove, wherein

a position of the guide member in the guide groove changes in accordance with an inclination angle of the back frame in relation to a horizontal plane;

the angle of the head frame in relation to the vertical axis of the back frame changes in accordance with a change of the position of the guide member in the guide groove;
and

the guide groove is provided in the head frame.

[Claim 2]

The chair according to claim 1, further comprising:

~~a guide groove and a guide member provided movably in the guide groove;~~

wherein

~~a position of the guide member in the guide groove changes in accordance with an inclination angle of the back frame in relation to a horizontal plane; and~~

~~the angle of the head frame in relation to the vertical axis of the back frame changes in accordance with a change of the position of the guide member in the guide groove.~~

[Claim 3]

The chair according to claim 1 or 2, further comprising:

a slide frame whose position in relation to the vertical axis direction of the back frame changes in accordance with the inclination angle of the back frame in relation to the horizontal plane, wherein

the angle of the head frame in relation to the vertical axis of the back frame

changes in accordance with a change of relative positions of the back frame and the slide frame in the vertical axis direction.

[Claim 3-4]

The chair according to claim 2 3, wherein

as the back frame reclines rearward, the slide frame moves in a direction of a seat in relation to the back frame, and as the back frame is raised, it moves in a direction opposite to the seat in relation to the back frame.

{Claim 5}

~~The chair according to claim 2, wherein~~

~~the guide groove is provided in the head frame.~~