**Claims**

1. A recliner (100) comprising

    a seat (110),

    a back (120) comprising a first back portion (121), where the back (120) is connected to the seat (110), and where the first back portion (121) is configured to pivot between an upright first position and a reclined second position,

    a headrest (130), where the headrest (130) is connected to the first back portion (121), and where the headrest (130) is configured to pivot between a headrest first position and a headrest second position, and

    an elongated connector assembly (140) connected to the headrest (130) at a first connection point (150) and extending towards the seat (110), where the elongated connector assembly (140) is configured to

        pivot the headrest (130) forward from the headrest first position to the headrest second position when the first back portion (121) is pivoted between the upright first position and the reclined second position, and to

        pivot the headrest (130) backward from the headrest second position to the headrest first position when the first back portion (121) is pivoted between the reclined second position and the upright first position,

        where the elongated connector assembly (140) comprises a connector assembly element (141) having an adjustable length, and where the connector assembly element (141) is configured to expand/contract at least in part in the longitudinal direction (142) of the elongated connector assembly (140) when a force is applied to the headrest (130) that exceeds a first threshold value,

    wherein the connector assembly element (141) comprises an elongated piston assembly (220) comprising a piston (230) and a piston housing (240), the piston is configured to move inside the piston housing (240) when the elongated piston assembly (220) is exposed to a force exceeding a second threshold value determined by the friction between the piston (230) and the piston housing (240).

2. The recliner (100) according to claim 1, where

the back (120) comprises a second back portion (122) connected to the seat (110),
the first back portion (121) is connected to the second back portion (122),
the elongated connector assembly (140) is connected to the second back portion (122) via a second connection point (160),
the elongated connector assembly (140) extends between the first connection point (150) and the second connection point (160), and where
the connector assembly element (141) is configured to expand/ contract at least in part in the direction between the first connection point (150) and the second connection point (160) when a force is applied to the headrest (130) that exceeds the first threshold value.

3. The recliner (100) according to claim 2, further comprising a connection element (190), where

the connection element (190) is connected to the second back portion (122) and protrudes a non-zero distance from the second back portion (122) in a forward-facing direction from the back (120), and where
the second connection point (160) is arranged on the connection element (190) such that the second connection point (160) is positioned a non-zero distance from the back (120) in the forward-facing direction of the back (120).

4. The recliner (100) according to claim 3, further comprising a lumbar support (200) connected to the connection element (190), where the connection element (190) is rotatably connected to the second back portion (122) such that the lumbar support (200) is rotated a non-zero distance from the back (120) in the backwards facing direction of the back (120) when the first back portion (121) is pivoted between the upright first position and the reclined second position.

5. The recliner (100) according to claim 1, where
the first back portion (121) is connected to the seat (110),
the elongated connector assembly (140) is connected to the seat (110) via a third connection point (170),
the elongated connector assembly (140) is arranged between the first connection point (150) and the third connection point (170), and
the connector assembly element (141) is configured to expand/contract at least in part in the direction between the first connection point (150) and

the third connection point (170) when a force is applied to the headrest (130) that exceeds the first threshold value.

6. The recliner (100) according to claim 5 further comprising a connection element (190), where
   the connection element (190) is connected to the first back portion (121) and protrudes a non-zero distance from the first back portion (121) in a forward-facing direction from the back (120),
   the elongated connector assembly (140) is further connected to the first back portion (121) via a fourth connection point (180), and where
   the fourth connection point (180) is arranged on the connection element (190) such that the fourth connection point (180) is positioned a non-zero distance from the back (120) in the forward-facing direction of the back (120).

7. The recliner (100) according to claim 6, further comprising a lumbar support (200) connected to the connection element (190), where the connection element (190) is rotatably connected to the first back portion (121) such that the lumbar support (200) is rotated a non-zero distance from the back (120) in the backwards facing direction of the back (120) when the first back portion (121) is pivoted between the upright first position and the reclined second position.

8. The recliner (100) according to any one of the preceding claims, where the connector assembly element (141) comprises an elastic element (210).

9. The recliner (100) according to any one of the preceding claims further comprising a reset mechanism (250) configured to set the length of the connector assembly element (141) within a predetermined interval when the first back portion (121) is pivoted between the reclined second position and the upright first position.

10. The recliner (100) according to claim 9, where
    the reset mechanism (250) comprises a connection bar (260) connected to the first back portion (121) and to the piston (230), and
    the connection bar (260) is arranged to exert a force exceeding the second threshold value when the first back portion (121) is pivoted between the reclined second position and the upright first position.

11. The recliner (100) according to claim 10, where the piston (230) comprises an elongated slot (270) and where the connection bar (260) is received and movable in the slot.

12. The recliner (100) according to any one of the preceding claims where the elongated piston assembly (220) comprises an elastic member (280) connected between the piston (230) and the piston housing (240).