Claims

1. A frame folding mechanism comprising a frame, a seat portion and a linking member, the frame comprising a handle, a front foot and a rear foot, the handle, the front foot and the rear foot being coaxially and pivotally connected to each other to form a first rotation center, the front foot being pivotally connected to the seat portion to form a second rotation center, an end of the linking member being pivotally connected to the seat portion to form a third rotation center, another end of the linking member being pivotally connected to the handle to form a fourth rotation center, the first rotation center, the second rotation center, the third rotation center and the fourth rotation center being distributed separately, the frame rotating and folding, such that the linking member drives the seat portion to rotate and fold.

2. The frame folding mechanism of claim 1, wherein a handle cover is disposed on an end of the handle, a front foot cover is disposed on an end of the front foot, a rear foot cover is disposed on an end of the rear foot, and the handle cover, the front foot cover and the rear foot cover are coaxially and pivotally connected to each other to form the first rotation center.

3. The frame folding mechanism of claim 2, wherein the linking member is pivotally connected to the handle cover and deviates from the first rotation center.

4. The frame folding mechanism of claim 1, wherein the seat portion comprises a seat folding driving member and a seat body, an end of the seat folding driving member is pivotally connected to the front foot, another end of the seat folding driving member is pivotally connected to the linking member, and the seat body is fixedly connected to the seat folding driving member.

5. The frame folding mechanism of claim 4, wherein the seat folding driving member comprises a first folding driving portion and a second folding driving portion bent and extended from an end of the first folding driving portion, and the seat body is connected to the first folding driving portion and the second

folding driving portion.

6. The frame folding mechanism of claim 4, wherein the seat body comprises a front seat tube portion and a rear seat tube portion, the front seat tube portion is connected between the first folding driving portion and the second folding driving portion, and the front seat tube portion is pivotally connected to the rear seat tube portion.

7. The frame folding mechanism of claim 6, wherein a pivot between the seat folding driving member and the linking member is identical to a pivot between the rear seat tube portion and the front seat tube portion.

8. The frame folding mechanism of claim 6, wherein the rear seat tube portion is pivotally connected to the rear foot to form a fifth rotation center, and the fifth rotation center and the first rotation center are distributed separately.

9. The frame folding mechanism of claim 1, wherein the handle comprises an upper handle portion and a lower handle portion, the upper handle portion is pivotally connected to the lower handle portion, and the front foot, the rear foot and the lower handle portion are coaxially and pivotally connected to each other to form the first rotation center.

10. The frame folding mechanism of claim 1, wherein the frame folding mechanism further comprises a backrest portion pivotally connected to the seat portion.

11. The frame folding mechanism of claim 1, wherein the frame folding mechanism further comprises a handrail portion fixedly connected to the linking member.

12. The frame folding mechanism of claim 1, wherein the rear foot is located between the front foot and the handle.

13. The frame folding mechanism of claim 1, wherein the rear foot has an elastic protrusion, the front foot has an engaging recess, and the frame rotates to fold or expand, such that the elastic protrusion engages with or disengages from the engaging recess.

14. A stroller comprising the frame folding mechanism of any of claims 1 to 13, a plurality of wheels being pivotally connected to a bottom of the front foot and a bottom of the rear foot.

~~14. A frame locking mechanism comprising a frame, a sliding member, a frame expansion locking member and an unlock driving mechanism, the frame comprising a handle, a front foot and a rear foot, the handle having a handle locking hole, the front foot having a front foot locking hole, the sliding member being slidably disposed in the rear foot, the frame expansion locking member being disposed on the sliding member, the frame expansion locking member engaging in the handle locking hole and the front foot locking hole, the unlock driving mechanism being connected to the sliding member, the unlock driving mechanism driving the sliding member and the frame expansion locking member to slide together, such that the frame expansion locking member disengages from the handle locking hole and the front foot locking hole to unlock the frame.~~

~~15. The frame locking mechanism of claim 14, wherein the handle has a handle connecting member and the handle locking hole is formed on the handle connecting member.~~

~~16. The frame locking mechanism of claim 14, wherein the front foot has a front foot connecting member and the front foot locking hole is formed on the front foot connecting member.~~

~~17. The frame locking mechanism of claim 14, wherein the rear foot has a rear foot connecting member, the rear foot connecting member has a restraining groove, and the frame expansion locking member is slidably disposed in the restraining groove.~~

~~18. The frame locking mechanism of claim 14, wherein the unlock driving mechanism comprises an unlock driving member, the unlock driving member is slidably disposed on the handle, the unlock driving member abuts against the sliding member, and the unlock driving member is driven to slide to push the sliding~~

member to slide.

19. The frame locking mechanism of claim 18, wherein the handle has a sliding groove and the unlock driving member is slidably disposed in the sliding groove.

20. The frame locking mechanism of claim 18, wherein the unlock driving mechanism further comprises a first dragging member, the unlock driving member has a first inclined surface, the sliding member has a second inclined surface, the first inclined surface abuts against the second inclined surface, the first dragging member is connected to the unlock driving member, and the first dragging member pulls the unlock driving member to drive the sliding member and the frame expansion locking member to slide together.

21. The frame locking mechanism of claim 20, wherein the unlock driving mechanism further comprises an unlock operating mechanism, the unlock operating mechanism is disposed on the handle, the first dragging member is connected to the unlock operating mechanism, and the unlock operating mechanism is operated to pull the first dragging member.

22. The frame locking mechanism of claim 14, wherein the frame locking mechanism further comprises a first elastic member for returning the frame expansion locking member, and the first elastic member is disposed between the rear foot and one of the frame expansion locking member and the sliding member.

23. The frame locking mechanism of claim 14, wherein the sliding member has a slot for receiving a pivot between the handle, the front foot and the rear foot.

24. The frame locking mechanism of claim 14, wherein a handle cover is disposed on an end of the handle, a front foot cover is disposed on an end of the front foot, a rear foot cover is disposed on an end of the rear foot, and the handle cover, the front foot cover and the rear foot cover are coaxially and pivotally connected to each other.