CLAIMS:

1. A wheel set brake mechanism for locking a wheel of a movable frame, the wheel having a wheel stand, the wheel stand being mounted on the movable frame through a hollow shaft in such a way the wheel is rotatable in all directions, the wheel set brake mechanism comprising:

a drive member mounted on the movable frame; and

a brake assembly including a drive pin, a traction member and a locking member, wherein the drive pin is operably connected to the drive member, the traction member includes a first cable and a second cable, a first end of the first cable is connected to the drive pin, a second end of the first cable extends into an inner cavity of the hollow shaft to be rotatably connected to a first end of the second cable, and a second end of the second cable is connected to the locking member;

wherein the drive member is configured to drive the drive pin to slide so that the traction member causes the locking member to slide to lock the wheel, and

wherein the locking member includes a transverse shaft and a longitudinal shaft arranged perpendicularly to each other, the longitudinal shaft is slidably engaged with the wheel stand, an axis of the longitudinal shaft is perpendicular to a rolling axis of the wheel, and the second end of the second cable is connected to the longitudinal shaft.

2. The wheel set brake mechanism according to claim 1, wherein:

the drive member includes a sleeve portion and a pedal portion extending from the sleeve portion, a horizontal tube of the movable frame being sleeved with the sleeve portion, one of the horizontal tube and the sleeve portion being provided with an elongated hole, the other of the horizontal tube and the sleeve portion being provided with a chute, and the drive member having an initial position and a braking position circumferentially spaced at a predetermined angle;

the drive pin is sleeved with the horizontal tube, the drive pin is provided with a radially-protruding sliding shaft passing through the elongated hole and the chute; and

the drive member drives the sliding shaft to slide in the elongated hole and the chute when switching between the initial position and the braking position, so that the drive pin moves along an axis direction of the horizontal tube to allow the locking member to unlock or lock the wheel.

3. The wheel set brake mechanism according to claim 2, further comprising a first elastic member configured to act on the drive pin, so as to keep the drive member at the initial position through the drive pin.

4. The wheel set brake mechanism according to claim 1, wherein the brake assembly further

includes a first elastic reset member configured to act on the locking member, so as to keep the locking member at an unlocking position where the wheel is unlocked.

5. The wheel set brake mechanism according to claim 3, wherein:

the sleeve portion is symmetrically provided with two chutes, and the horizontal tube is provided with two elongated holes corresponding to the two chutes respectively;

the wheel set brake mechanism is provided with two brake assemblies, and the locking members of the two brake assemblies are configured to lock two wheels of the movable frame, wherein the sliding shaft of each of the two brake assemblies is sleeved with a corresponding set of the chute and the elongated hole; and

the first elastic member is clamped between the drive pins of the two brake assemblies.

6. The wheel set brake mechanism according to claim 1, wherein:

the second end of the first cable has a connector, the connector being provided with a connecting groove; and

the first end of the second cable is provided with a first pivot joint, the first pivot joint being rotatably arranged in the connecting groove.

7. The wheel set brake mechanism according to claim 1, wherein:

the movable frame is provided with a wheel seat, the wheel stand being pivotally connected to the wheel seat through the hollow shaft arranged vertically;

a sliding sleeve is fixed to the longitudinal shaft, the sliding sleeve slidably engages with the wheel stand, an axis of the sliding sleeve is perpendicular to a rolling axis of the wheel, and an end portion of the sliding sleeve away from the transverse shaft is provided with an accommodating groove; and

the second end of the second cable is provided with a second pivot joint, the second pivot joint being rotatably arranged in the accommodating groove.

8. The wheel set brake mechanism according to claim 7, wherein a first elastic reset member is arranged between the wheel stand and the sliding sleeve.

9. The wheel set brake mechanism according to claim 7, wherein the longitudinal shaft extends into the sliding sleeve and is connected to the sliding sleeve through a pin shaft.

10. The wheel set brake mechanism according to claim 7, wherein a hub of the wheel is provided with a plurality of engagement holes along a circumferential direction, and the transverse shaft is capable of entering the engagement hole to lock the wheel or exiting the engagement hole to unlock the wheel.

11. The wheel set brake mechanism according to claim 1, wherein:

the movable frame is provided with a wheel seat, the wheel stand being pivotally connected to the wheel seat through the hollow shaft arranged vertically;

and

a hub of the wheel is provided with a plurality of engagement holes along a circumferential direction, and the transverse shaft is capable of entering the engagement hole to lock the wheel or exiting the engagement hole to unlock the wheel.

12. The wheel set brake mechanism according to claim 1, wherein:

the drive member includes a sleeve portion and a pedal portion extending from the sleeve portion, a horizontal tube of the movable frame being sleeved with the sleeve portion, and the drive member having an initial position and a braking position circumferentially spaced at a predetermined angle; and

the wheel set brake mechanism further includes a locking assembly configured to lock the drive member at the braking position.

13. The wheel set brake mechanism according to claim 12, wherein:

the locking assembly includes a locking protrusion arranged outside the horizontal tube;

the sleeve portion is provided with an end surface abutting against the locking protrusion, and the end surface is provided with a locking recess; and

when the locking protrusion engages with the locking recess, the drive member is locked at the braking position.

14. The wheel set brake mechanism according to claim 13, wherein the locking protrusion is formed by an elastically extensible locking pin, and an axis of the locking pin is parallel to an axis direction of the horizontal tube.

15. The wheel set brake mechanism according to claim 14, wherein an end portion of the horizontal tube is provided with a wheel seat, the wheel seat is provided with a mounting hole, a

second elastic member and the locking pin are arranged in the mounting hole, and an end portion of the locking pin configured to engage with the locking recess is in a shape of a circular arc or truncated cone.

16. The wheel set brake mechanism according to claim 14, wherein the end surface is further provided with a guide groove slidably engaging with the locking protrusion.

17. A baby transport, comprising a movable frame and the wheel set brake mechanism according to any one of claims 1 to 16, wherein the movable frame includes a front wheel and a rear wheel, the rear wheel is mounted on the movable frame through a hollow shaft in such a way the rear wheel is rotatable in all directions and the wheel set brake mechanism is configured to lock the rear wheel.

18. The baby transport according to claim 17, wherein:

the movable frame is provided with a wheel seat, the rear wheel has a wheel stand, and the wheel stand is pivotally connected to the wheel seat, so as to allow the rear wheel to rotate in all directions; and

the baby transport further includes a wheel set orienting mechanism, the wheel set orienting mechanism being configured to lock rotation of the wheel stand.

19. The baby transport according to claim 18, wherein:

the wheel set orienting mechanism includes an operation portion, a third cable, a locating pin and a second elastic reset member, the operation portion is connected to a first end of the third cable, a second end of the third cable is connected to the locating pin, and an axis of the locating pin is parallel to the rotation axis of the wheel stand; and

the wheel stand is provided with a locating hole, the second elastic reset member is configured to drive the locating pin to extend into the locating hole, and the operation portion is configured to move the locating pin out of the locating hole through the third cable.

20. The baby transport according to claim 18, wherein the movable frame includes a pair of front wheels and a pair of rear wheels, each of the front and rear wheels is mounted on the movable frame so as to rotate in all directions, and the wheel set orienting mechanism is configured to lock rotation of both wheel stands of the pair of rear wheels.