CLAIMS

1. A brake assembly, comprising a brake disc provided under a vehicle frame and a guide rail located between the vehicle frame and the brake disc, wherein the guide rail extends along a width direction of the vehicle frame; the guide rail is provided with a brake clamp clamped on the brake disc, and the brake clamp is movable along an extension direction of the guide rail, characterized in that, a moving block that is moveable along the extension direction of the guide rail is provided on the guide rail; and the brake clamp is arranged at a bottom portion of the moving block in linkage.

2. The brake assembly according to claim 1, wherein a base is provided on the vehicle frame, and a locking member that cooperates with the brake clamp is arranged under the base; and a spring that is extendable and retractable in a vertical direction is connected between the locking member and the base.

3. The brake assembly according to claim 2, wherein a sliding rail extending in the vertical direction is provided on the base; a sliding block that is moveable along an extension direction of the sliding rail is provided on the sliding rail; and a top end of the spring is connected to the sliding block.

4. The brake assembly according to claim 2, wherein the locking member is a connecting rod; two ends of the connecting rod are respectively hinged with the spring and the brake clamp; wherein the spring is located directly above a midpoint of the guide rail, and a distance between a bottom end of the spring in a limit compression state and the midpoint of the guide rail is not less than a length of the connecting rod.

5. The brake assembly according to claim 2, wherein the locking member is a locking pin connected to a bottom portion of the spring, and locking holes that are detachably clamped on the locking pin are respectively provided on top portions of two ends of the guide rail.

6. The brake assembly according to claim 5, wherein the locking pin is a ball pin, and each of the locking holes is a spherical hole.

7. A rail vehicle comprising a vehicle frame and a brake assembly, wherein the brake assembly is the brake assembly according to any one of claims 1 to 6.