CLAIMS

1. A hanging fan comprising a fixed base (100) on which a shake control device (210), a fan blade motor (310) and a rotating fan blade (300) are arranged, the fan blade motor (310) being configured to control the rotation of the rotating fan blade (300), characterized in that:

the fixed base (100) is provided with a center base (200) configured to fix the shake control device (210);

the center base (200) is provided with an angle adjustment frame (400), the fan blade motor (310) is provided on the angle adjustment frame (400), and the angle adjustment frame (400) has a plurality of indexing holes (411);

the angle adjustment frame (400) is provided with an indexing insertion rod (500), the indexing insertion rod (500) comprises an insertion rod tube (510), the insertion rod tube (510) is provided with a ball (520), the insertion rod tube (510) is provided with a ball bearing (530) configured to exert a pushing force on the ball (520), wherein the ball (520) is disposed in the direction of the indexing hole (411);

the center base (200) is provided with a first outer cover (600), including the shake control device (210) and the fan blade motor (310), the rotating fan blade (300) is disposed outside the first outer cover (600), and a long hole (610) is disposed on the first outer cover (600) to avoid interference with the axis of the rotating fan blade (300).

2. A hanging fan according to claim 1, characterized in that the insertion rod tube (510) is disposed with an elastic adjustment screw (540).

3. A hanging fan according to claim 1, characterized in that the insertion rod tube (510) is disposed with an inner clip (511) for clamping the ball (520).

4. A hanging fan according to claim 1, characterized in that the insertion rod tube (510) is disposed with an outer support member (512).

5. A hanging fan according to claim 1, characterized in that: the center base (200) is disposed with a first outer cover screw connecting portion (220), the first outer cover (600) is disposed with a first outer cover fixing ring (620), the first outer cover connecting screw portion (220) and the first outer cover fixing ring (620) are connected by screws, and the

first outer cover connecting screw portion (220) corresponds to the long hole (610) to avoid interference with the axis of the fan blades.

6. A hanging fan according to claim 1, characterized in that the fixed base (100) includes a male holder (800) and a female holder (900), and a coupling device (700) is disposed between the male holder (800) and the female holder (900) device (700) including a coupling device bracket (710), a coupling device male seat (720), and a coupling device female seat (730), wherein the coupling device bracket (710) is connected to the coupling device male holder (720), the coupling device bracket (710) is connected to the male holder suspension (800), and the coupling device female holder (730) is connected to the female holder suspension (900).

7. A hanging fan according to claim 6, characterized in that: the male holder (800) is provided with a male holder connection ring (821), and the male holder connection ring (821) is disposed on the outer side with a locking latch (822), the female holder suspension (900) is disposed with a female suspension connection ring (911), and the female suspension connection ring (911) is disposed with a locking spring (912) on the inner side.

8. A hanging fan according to claim 6, characterized in that the male holder (800) includes a horizontal lock suspension (810) and a vertical lock suspension (820), and the horizontal lock suspension (810) is disposed with a fixed hanging plate (811).

9. A hanging fan according to claim 6, characterized in that the female holder suspension (900) includes a lower suspension (910), a second outer casing (920), and a joint (930), and the second outer casing (920) includes a second outer casing inner support frame (921) and a second outer casing body (922).

10. A hanging fan according to claim 1, characterized in that the angle adjustment frame (400) includes a first adjustment bracket (410) and a second adjustment bracket (420), and an adjustment axis (421), the indexing hole (411) is located on the first adjusting bracket (410), and the indexing insertion rod (500) is located between the first adjusting bracket (410) and the second adjusting bracket (420).