CLAIMS

1. A door hinge having a buffering function, comprising:

a casing (1) in which a damper (3) is disposed in an axially movable manner, an end portion of a piston rod at a front end of the damper (3) being fixedly connected to the casing (1),

a hinge cup (10),

a linking member A (5) with a right end rotatably disposed in the casing (1) via a first rotating shaft (4) and a left end rotatably connected to the hinge cup (10) via a third rotating shaft, and

a connecting member B (8) with a right end rotatably disposed inside the casing (1) via a second rotating shaft (7) and a left end of the connecting member B (8) rotatably connected to the hinge cup (10) via a fourth rotating shaft, the second rotating shaft (7) being sleeved with a torsion spring (6) with one end fixed to or abutted against the fourth rotating shaft and the other end abutted against the casing (1), one of an end portion at the right end of the linking member A (5) and an end portion at a right end of the connecting member B (8) being disposed corresponding to a rear end of the damper (3).

2. The door hinge having a buffering function according to claim 1, wherein the casing (1) is provided with a positioning block (11) at an inner wall at both front and rear sides, two sliding slots (12) are formed between two positioning blocks (11) and a top wall of the casing (1), and the damper (3) is disposed, by both sides of the damper (3), in the two sliding slots (12) in an axially slidable manner.

3. The door hinge having a buffering function according to claim 2, wherein the damper (3) is provided with a positioning slider (31) at both sides, and the damper (3) is in slide fit with the two sliding slots (12) correspondingly via the positioning slider (31) at both sides.

4. The door hinge having a buffering function according to claim 1, wherein the casing (1) is internally and fixedly provided with a positioning shaft (2), the end portion of the piston rod of the damper (3) is provided with a hook (32), and the hook (32) is hung on the positioning shaft (2) for positioning.

5. The door hinge having a buffering function according to claim 1, wherein a top portion of the casing (1) is provided with a downwardly extending clamping piece (13), the end portion of the piston rod of the damper (3) is provided with a clamping slot (34), and the clamping slot (34) is clamped on the clamping piece (13) for positioning.

6. The door hinge having a buffering function according to claim 1, wherein an end portion at the rear end of the damper (3) is provided with a stopper (33), the end portion at the right end of the linking member A (5) is provided with a driving member (14) corresponding to the stopper (33).

7. The door hinge having a buffering function according to claim 6, wherein the driving member (14) is a pushing block or a lifting hook.

8. The door hinge having a buffering function according to claim 1, wherein an end portion at the rear end of the damper (3) is provided with an inclined surface (35), the end portion at the right end of the connecting member B (8) is provided with a driving member (14) corresponding to the inclined surface (35).

9. The door hinge having a buffering function according to claim 8, wherein the driving member (14) is a pushing block matched with the inclined surface (35).

10. The door hinge having a buffering function according to claim 1, wherein one of the end portion at the right end of the linking member A (5) and the end portion at the right end of the connecting member B (8) is provided with a driving member (14), and the end portion at the rear end of the damper (3) is hinged with the driving member (14).

11. The door hinge having a buffering function according to claim 2, wherein the positioning block (11) is an inwardly bent folding piece or bulge punched and inwardly stamped at front and rear sides of the casing (1) respectively.

12. The door hinge having a buffering function according to claim 1, wherein the third rotating shaft and the fourth rotating shaft are integrally formed into a U-shaped rotating shaft (9).