WHAT IS CLAIMED IS:

1. An electrically-operated door, comprising a door body, an electric motor, a pair of door pillars, a traction shaft, and at least one anti-fall device, wherein the door body is driven by the electric motor to move up and down along door rails of the pair of door pillars and the at least one anti-fall device is located above the pair of door pillars, and the traction shaft is driven by upward and downward movement of the door body;

the anti-fall device including a holder and at least one brake unit, wherein the at least one brake unit and the traction shaft are mounted on the holder on upper ends of the door rails of the pair of door pillars, the at least one brake unit including a pawl rotor assembly and a ratchet seat;

the pawl rotor assembly including a first rotating disk, a support on one end of the first rotating disk, and at least one banana-shaped pawl member; the support having a central shaft hole passing through the first rotating disk, the traction shaft being coupled to the shaft hole, at least one pawl space being formed between the support and the first rotating disk, the pawl member being located in the pawl space; the pawl member having a counterweight body, one end of the counterweight body having a pivot hole, another end of the counterweight body having a pawl portion, one side of the counterweight body having a restricting portion; a pivot being pivotally to connected the first rotating disk via the pivot hole; the pawl portion having a corner notch opposite to the pivot hole of the counterweight body to form an engaging end face; the restricting portion having an elastic member acting on the support for restricting the pawl portion and the engaging end face from extending beyond a periphery of the first rotating disk in a normal state;

the ratchet seat being fixed on the holder, the ratchet seat having a central ratchet hole relative to the pawl rotator assembly, the ratchet hole surrounding the periphery of the first rotating disk, a wall of the ratchet hole having a plurality of curved notches to form ratchet teeth, the curved notches being arranged annularly and configured for receiving the counterweight body of the pawl member, the ratchet teeth each having a blocking surface;

wherein the at least one pawl space includes a pair of pawl spaces formed between the support and the first rotating disk of the pawl rotor assembly, the at least one pawl member includes a pair of the pawl members in the pair of pawl spaces, each of the pair of pawl members is pivotally connected to the first rotating disk by the pivot, a shaft of the pawl rotor assembly is provided near the pawl portion of the counterweight body of each of the pawl members, one end of the shaft passes through a pair of oblong holes of the first rotating disk

and is pivotally connected to the pair of connecting rods of the pawl rotor assembly, another ends of the pair of connecting rods are pivotally connected to two ends of the synchronous link of the pawl rotor assembly, and the synchronous link has a central bearing hole for mounting a bearing of the pawl rotor assembly matching and rotating on the traction shaft;

wherein the pawl rotor assembly includes a second rotating disk, the second rotating disk is provided on the support opposite the first rotating disk, the second rotating disk corresponds in configuration and in shape to the first rotating disk, the second rotating disk also has a pair of oblong holes for insertion of the shaft that is pivotally connected to another pair of connecting rods of the pawl rotor assembly, another ends of the another pair of connecting rods are pivotally connected to two ends of another synchronous link of the pawl rotor assembly, the another synchronous link also has a central bearing hole for mounting another bearing of the pawl rotor assembly matching and rotating on the traction shaft, and the two paired synchronous links are connected by a pivot shaft at either end thereof.

2. The electrically-operated door as claimed in claim 1, wherein the support has a mounting hole relative to the restricting portion of the pawl member, the restricting portion has a screw hole into which a screw of the pawl rotor assembly is screwed into the screw hole, the elastic member is a compression spring, one end of the elastic member is inserted in the mounting hole, and another end of the elastic member is inserted in the screw hole and leans against the screw.

3. The electrically-operated door as claimed in any one of claims 1-2, further comprising a reel, wherein the electric motor of the electrically-operated door drives the reel to roll up and down the door body composed of slats connected in series along the door rails of the pair of door pillars, the holder of the anti-fall device is a frame-shaped seat for mounting the brake unit on a side panel of a housing, and the traction shaft is secured to the reel as part of the reel.

4. The electrically-operated door as claimed in any one of claims 1-3, further comprising an upper door beam, a wheel axle, and at least one cable wheel of the wheel axle, wherein the door body of the electrically-operated door includes an upper door body pivotally connected to the upper door beam and a lower door body pivotally connected to one end of the upper door body; the electric motor drives the at least one cable wheel of the wheel axle on the upper door beam, a pulling cable coiled on the cable wheel pulls pulleys of the door body on two sides of the lower door body to move up and down along the door rails of the pair of door pillars; the holder of the anti-fall device is a hanging seat for mounting the brake unit and the

traction shaft on the upper door beam at upper ends of the pair of door pillars, the traction shaft is coupled to the shaft hole of the pawl rotor assembly of the brake unit, a cable reel is connected to one end of the traction shaft, a flat spiral spring is connected to another end of the traction shaft, a cable is coiled on the cable reel, the cable has a pull end connected to the lower door body; wherein the anti-fall device further includes a cover and a limiter, the flat spiral spring is accommodated in the cover coupled to the ratchet seat, an outer end of the flat spiral spring is limited by the limiter on the cover, and an inner end of the flat spiral spring is connected to the traction shaft.

5. The electrically-operated door as claimed in claim 4, wherein the cable reel is secured on one end of the traction shaft, and the brake unit secured to the holder is disposed at either side of the cable reel on the traction shaft.

6. The electrically-operated door as claimed in claim 5, wherein the flat spiral spring is disposed at either side of the cable reel on the traction shaft and the cover having the limiter is secured to the ratchet seat.