

ABSTRACT

An electrically-operated door having an anti-fall device is disclosed. The anti-fall device includes a holder for mounting at least one brake unit and a traction shaft on the upper ends of the pair of door pillars. The traction shaft is driven by movement of a door body. The brake unit includes a pawl rotor assembly and a ratchet seat. The pawl rotor assembly includes a first rotating disk, a support having a shaft hole and a pawl space, and a pawl member located in the pawl space and pivoted to the first rotating disk. The pawl member includes a counterweight body having a pawl portion and a restricting portion with an elastic member. The ratchet seat has a central ratchet hole surrounding the first rotating disk. The ratchet hole is formed with a plurality of ratchet teeth. The overall structure effectively prevents the door body from falling accidentally.

FIG. 4