

ABSTRACT

GUIDE ROLLER SUPPORTING APPARATUS FOR ELEVATOR CAR

Disclosed is a guide roller supporting apparatus for an elevator car including a guide roller supporting apparatus comprising guide rollers making contact with surfaces of a guide rail, respectively, each guide roller being rotatably mounted on an upper end of a carrying member, a lower end of the carrying member being pivotably and slantedly mounted on a frame secured to a top or a bottom plate of an elevator car; spring means for resiliently urging the guide roller against the corresponding surfaces of the guide rail to absorb a lateral force of an impact transferred through the guide roller; a support secured to the frame and having a spring seat, whereby the vertical force supports the carrying member, an external impact through the guide rollers is divided into vertical and lateral forces, and the lateral force is absorbed to decrease a shaking of the elevator car.

(Fig 5)

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