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**Mizuno et al.**

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(54) **ELEVATOR SAFETY DEVICE AND  
ELEVATOR SAFETY DEVICE MOUNTING  
METHOD**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 276 days.

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(57) **ABSTRACT**

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A safety supporting body includes: a supporting body main body that is disposed inside a vertical stanchion groove of a car frame; and an engaging portion that protrudes outward from the supporting body main body, and that is hooked onto an upper end portion of a vertical stanchion. The safety supporting body is fixed to the vertical stanchion by a supporting body fixing apparatus. The supporting body fixing apparatus includes: a first fixing bolt that applies pressure between a side surface of the vertical stanchion groove and the supporting body main body; and a second fixing bolt that applies pressure between the engaging portion and a guiding apparatus mounting base that is fixed to the car frame. A safety device main body that applies a braking force to the car by placing a braking member in contact with the guide rail is disposed on the safety supporting body.

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(52) **U.S. Cl.**  
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See application file for complete search history.

**7 Claims, 12 Drawing Sheets**

