

CAGE STOP HEIGHT READJUSTING APPARATUS FOR ELEVATOR SYSTEM
AND METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

A cage stop height readjusting apparatus for an elevator system and a method thereof which are capable of accurately stopping a cage at a predetermined floor at a zero level of a cage stop height. The apparatus includes a position detection rotary encoder for outputting second pulse signal which corresponds to an actual running distance of a cage as a pulley is rotated by a wire connected with the cage, and a main controller for receiving first and second position detection signals from first and third position detectors and first and second pulse signals from the speed detection rotary encoder and position detection rotary encoder when the cage is stopped in a cage stop height readjusting zone, computing a cage stop height adjusting distance, and outputting a speed instruction signal for the cage stop height adjusting operation based on the thusly computed cage stop height adjusting distance.

(Fig.10)