

ABSTRACT**METHOD FOR MONITORING ELEVATOR LEVELING PERFORMANCE
WITH IMPROVED ACCURACY**

A method which provides for level monitoring of an elevator car within a hoistway at a plurality of floors by providing a plurality of sensed signals which is indicative of an elevator position of the elevator car relative to a plurality of targets having a plurality of light absorptive surfaces and a plurality of light interactive regions, the plurality of targets mounted within the hoistway at the plurality of floors. The plurality of sensed signals is processed to provide a leveling variable, a floor number variable and a direction of travel variable which indicate a direction of travel of the elevator car within the hoistway. The leveling variable, floor number variable and direction of travel variable are stored at a remote elevator monitoring central processor.

(Fig No. 1)