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(54) **ELEVATOR POSITION DETECTION APPARATUS**

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See application file for complete search history.

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(57) **ABSTRACT**

A detection subject body provided in a hoistway includes an ID sequence formed by arranging three or more types of segments having different magnetic properties in a movement direction of an elevating body. An eddy current type detection unit is provided on the elevating body to generate signals corresponding to the magnetic properties of the respective segments. An identification unit identifies the respective types of the segments on the basis of the signals from the detection unit, and outputs a time series signal in a different output condition depending on the type of each segment. A digital data conversion unit converts the time series signal into digital data on the basis of variations in the output condition of the time series signal from the identification unit. A position specification unit specifies the position of the elevating body on the basis of the digital data.

11 Claims, 9 Drawing Sheets

