

SAFETY ELEVATOR

ABSTRACT

A safety elevator including: a position detection sensor (4) which outputs an output pattern having a plurality of outputs in accordance with the position of an elevator car (100) moving up/down; a position database (23) which stores a specific output pattern corresponding to each specific position in an up/down direction; a car position data portion (22) which stores the output pattern whenever the output pattern of the position detection sensor (4) changes; and a transition database (24) which stores the specific output pattern expected in accordance with the specific position as predicted transition data; wherein when the output pattern does not coincide with any one of the predicted transition data at the time of arrival of the elevator car (100) at the specific position, it is determined as a failure.

FIGURE 1