Title (en)

ELEVATOR APPARATUS

Title (de

AUFZUGSVORRICHTUNG

Title (fr)

ASCENSEUR

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Application

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Priority

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Abstract (en)

The present invention aims to provide a machine-roomless elevator apparatus using a one-to-one (1:1) roping method having a simple construction for keeping hoistway dimensions to a minimum, and reducing upper portion space in the hoistway, without aggravating noise from a hoisting machine. <??>The construction includes: a hoisting machine disposed in a lower portion of a hoistway so as to be positioned in a gap between a wall surface of the hoistway and a first side of a car in a width direction; and first and second rope fastening portions respectively disposed on lower portions of first and second sides of the car in a width direction so as to be in a positional relationship having centrosymmetry relative to a position of a center of gravity of the car, half of the ropes constituting hoisting ropes wound onto a sheave of the hoisting machine being led upward from the sheave, wound over a first car return sheave disposed above the sheave in an upper portion of the hoistway, then lowered and linked to the first rope fastening portion, and a remainder of the ropes constituting the hoisting ropes being led upward from the sheave, wound over a second car return sheave disposed above the sheave in an upper portion of the hoistway, also wound over a third car return sheave disposed above the second rope fastening portion in an upper portion of the hoistway, then lowered and linked to the second rope fastening portion. <??>Thus, a machine-roomless elevator apparatus using a one-to-one (1:1) roping method for keeping hoistway dimensions to a minimum and reducing upper portion space in the hoistway is achieved. <IMAGE>

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