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ELEVATOR UNIT AND METHOD OF FABRICATING THE SAME

ABSTRACT

This invention includes: a cage unit configured to be moved up and down in a hoistway; a flat thin-type hoisting device arranged in the hoistway in such a manner that the flat thin-type hoisting device does not interfere with an elevating track of the cage unit; a first sheave and a second sheave arranged in the hoistway in such a manner that each of the first sheave and the second sheave does not interfere with the elevating track of the cage unit; and a counter weight arranged behind the elevating track of the cage unit, configured to be moved up and down in the hoistway. A rope is wound around the thin-type hoisting device, around the first sheave and around the second sheave. The cage unit is suspended by a first end portion of the rope, and the counter weight is suspended by a second end portion of the rope. A supporting structure that supports the thin-type hoisting device, the first sheave and the second sheave, is provided at an upper end portion of a counter-weight guide rail for guiding the counter weight.

(Fig. 1)



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