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ELEVATOR

Title (de)
AUFZUG

Title (fr)
ASCENSEUR

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Abstract (en)
[origin: WO2006057510A1] Disclosed herein is an elevator which has an improved structure such that a balance weight offsets the weight of a cage, passengers, and cargo to the utmost, according to changes in weight of the passengers and cargo, thus reducing power consumption. In the elevator of the present invention, a gear ratio of a transmission (21) is adjusted in consideration of the number of passengers or the weight of cargo, so that power consumption required for operating the elevator is reduced. Furthermore, in the case of use of an electronic variable capacity hydraulic motor (291), the elevator is controlled depending on changes in weight of passengers and cargo, such that a balance weight (12) offsets the weight of a cage, the passengers and cargo to the utmost, thus reducing power consumption required for operating the elevator.

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