

Title (en)
ELEVATOR

Title (de)
AUFZUG

Title (fr)
ASCENSEUR

Publication
EP 1577247 A1 20050921 (EN)

Application
EP 02808321 A 20021224

Priority
JP 0213444 W 20021224

Abstract (en)
[origin: WO2004058619A1] A frame (30) disposed on top of an elevator shaft (1) is fixed with a hoist (13) having a drive sheave (14) arranged such that the rotary shaft is directed substantially in the vertical direction, a deflection pulley, e.g. a cage side deflector wheel (15), a control board (31), and a governor (32). An elevator cage (5) is provided, in the upper surface (8) thereof, with an opening (9) for maintenance. Machines such as the hoist (13) are disposed to overlap the cage (5), and the like, at least partially on the vertical projection surface of the elevator shaft (1), and the gap between the upper surface (8) and a machine, e.g. the hoist (13), under a state where the cage (5) is stopping at a specified maintenance position, is set to not smaller than a value ($V^2/2g$) obtained by dividing the square of the rated speed of the cage (5) by twice the gravitational acceleration, and that gap is set as small as possible. A maintenance crew (20) rides on a working table (21) in the cage (5) and stretches a hand from the opening (9) in the upper surface (8) of the cage to perform maintenance of a machine, e.g. the hoist (13).

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B66B 5/00 (2006.01); **B66B 11/00** (2006.01)

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