

Title (en)
Elevator with cogged belt and pulley and with counterweight

Title (de)
Aufzug mit Zahnriemen und Rad und mit Gegengewicht

Title (fr)
Ascenseur avec courroie crantée et poulie et avec contrepoids

Publication
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Application
EP 12154810 A 20120210

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Abstract (en)
[origin: EP2567925A1] The present invention relates to an elevator having deflecting pulleys (3) above or below of a car (1), fastenings (7) and (8) for fastening the ends of the cogged belt (2) are arranged in the upper portion of the hoistway (18), there is also arranged a machine (4) formed by a gearless motor on the shaft of which are assembled at least one cogged pulley (9) made of a single part with helical cogs and with a diameter greater than 100 mm, the machine (4) also has a support, a brake, an integrated deflecting pulley (5), non-slip rollers (14), all these elements mounted on a base, and the machine being in the projection of a counterweight (6), furthermore, the counterweight (6) is arranged on one side of the hoistway (18), wherein the cogged belt has steel reinforcement cables embedded in transparent polyurethane and the cogged portion is covered with a textile mesh, reduction of noise level and uniform translation of the car being achieved.

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