

ELEVATOR

Abstract

The invention relates to an elevator comprising

- a first elevator unit (1) vertically movable in a hoistway (H);
- a second elevator unit (2) vertically movable in a hoistway (H);
- a suspension roping (R) comprising one or more belt-shaped suspension ropes (3a,3b,3c) interconnecting the first elevator unit (1) and the second elevator unit (2);
- a drive wheel for moving said one or more belt-shaped suspension ropes (3a,3b,3c);
- a plurality of cambered diverting wheels (4, 6);
- said one or more belt-shaped suspension ropes (3a,3b,3c) each passing around the drive wheel (5) and comprising consecutively
 - a first rope section (a) extending between the drive wheel (5) and the first elevator unit (1); and
 - a second rope section (b) extending between the drive wheel (5) and the second elevator unit (2)

wherein both rope sections (a, b) diverge from the drive wheel (5) towards the same lateral side thereof, the first rope section (a) passing over a first cambered diverting wheel (4), in particular resting against a cambered circumferential surface area (A,B,C) thereof, and therefrom down to the first elevator unit (1), and the second rope section (b) passing over a second cambered diverting wheel (6), in particular resting against cambered circumferential surface area (A,B,C) thereof, and therefrom down to the second elevator unit (2).

Figure 2