

Title (en)

METHOD FOR CONSTRUCTING A LIFT ASSEMBLY WITH AN ADAPTABLE USABLE LIFTING HEIGHT

Title (de)

VERFAHREN ZUM ERRICHTEN EINER AUFZUGSANLAGE MIT EINER ANPASSBAREN NUTZBAREN HUBHÖHE

Title (fr)

PROCÉDÉ POUR L'IMPLANTATION D'UNE INSTALLATION D'ASCENSEUR AVEC UNE HAUTEUR DE LEVAGE UTILE ADAPTABLE

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Application

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Abstract (en)

[origin: WO2018002243A1] The invention relates to a method for constructing an elevator system (1), which has an elevator drive machine (4), an elevator cab (5), a counterweight (6), and at least one flexible supporting means (7), in a building, wherein at least one lifting operation is performed in order to adapt a usable lifting height (15) of the elevator system (1) to an increasing height of the building. In the lifting operation, a drive platform (16), which supports the elevator drive machine (4) and, by means of the supporting means (7), the elevator cab (5) and the counterweight (6), is raised. In the method, a difference between an elevator-cab-side supporting-means weight (FA) and a counterweight-side supporting-means weight (FG) of the supporting means (7) is substantially compensated by means of a compensating traction means (36), which is guided from a bottom side of the elevator cab (5) to a bottom side of the counterweight (6) by means of a deflecting device (35), wherein the deflecting device (35) comprises two roller assemblies (45, 49) each having at least one deflecting roller (41, 42, 43, 44; 41, 42, 43, 44, 70, 71, 72, 73), wherein the at least one compensating traction means (36) is guided by means of at least one deflecting roller of each of the two roller assemblies (45, 49) in such a way that the compensating traction means forms at least one compensating traction means loop (40), in which a defined amount of the compensating traction means (36) is stored, and wherein a distance between the two roller assemblies (45, 49) is reduced before and/or during the lifting operation such that an amount of the compensating traction means (36) required for the performance of the lifting operation is released from the at least one compensating traction means loop (40).

IPC 8 full level

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Citation (examination)

- EP 2711324 A1 20140326 - KONE CORP [FI]
- WO 0050328 A2 20000831 - KONE CORP [FI], et al
- JP H06263369 A 19940920 - DAIICHI SHISETSU KOGYO KK

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