Title (en)

APPARATUS FOR GUIDING AND BRAKING A TRAVELLING BODY OF A LIFT SYSTEM, WHICH BODY IS TO BE MOVED ALONG A GUIDE TRACK

Title (de)

VORRICHTUNG ZUM FÜHREN UND BREMSEN EINES ENTLANG EINER FÜHRUNGSSCHIENE ZU VERLAGERNDEN FAHRKÖRPERS EINER AUFZUGANLAGE

Title (fr)

APPAREIL DE GUIDAGE ET DE FREINAGE D'UN CORPS MOBILE D'UN SYSTÈME DE LEVAGE, LEDIT CORPS DEVANT ÊTRE DÉPLACÉ LE LONG D'UNE VOIE DE GUIDAGE

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Application

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Abstract (en)

[origin: WO2021110726A1] The invention relates to an apparatus (9) for guiding and braking a travelling body (2) of a lift system, which body is to be moved along a guide track (7), said apparatus comprising a retaining means (19), a guiding device (21) and a braking device (41). The retaining means (21) is to be fastened to the travelling body (2) and can transmit guiding forces between the guiding device (21), which is guided on the guide track (7), and the travelling body (2). The guiding device (21) is configured to move along at least one surface (31, 32, 33) of the guide track (7) in the longitudinal direction (35) of the guide track (7). The guiding device (21) is retained and mounted on the retaining means (19) in such a way that the guiding device (21) can be moved elastically relative to the retaining means (19) in a transverse direction (37, 59) with respect to the longitudinal direction (35) of the guide track (7) by at least a predetermined tolerance distance (39), and in so doing transmits the guiding forces to the retaining means (19). The braking device (41) has a support (43) and a brake element (45) and is configured to move the brake element (45) reversibly by an activation distance (49) in a transverse direction (37) with respect to the guide track (7) between a deactivated configuration, in which a brake surface (47) of the brake element (45) is laterally spaced apart from the guide track (7), and an activated configuration, in which the brake surface (47) of the brake element (45) rests against the guide track (7). The support (43) of the braking device (41) is rigidly coupled to the guiding device (21), so that the support (43) of the braking device (41) follows lateral movements of the guiding device (21) relative to the retaining means (19).

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