

Title (en)

Control device in vacuum hoist means.

Title (de)

Steuervorrichtung für Vakuum-Hebevorrichtungen.

Title (fr)

Dispositif de commande pour moyens de levage par vide.

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Application

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Abstract (en)

Control device in vacuum hoist means (1-11) which can be provided with a member (3) to grip goods. The member (3) is vertically movable in relation to an anchoring point (6). The vacuum hoisting means comprise a tubular container (1) closed at both ends, the upper end of which is connectable to said anchoring point (6) and the lower end of which with goods via the member (3). The wall material between the ends of the container (1) is compressible in axial direction and a connection is provided on the container for connection to a vacuum-generating means (5). The means (1-11) are provided with control and valve means (4 and 11) to control the vacuum in the container (1) so that its axial length can be altered. The control and valve means (4 and 11) are so designed that the valve means (4 and 11) can be brought into a fully open state (stepless or not) by control means (4). There is provided, preferably at the lower end of the container (1), an additional valve to open or close a channel between the lower end of the container (1) and the suction body (3). This valve consists of a spring-loaded sealing body displaced by the goods approaching said suction body (3), thereby opening the channel, so that the goods can be adhered. The vacuum-generating means (5) is connected via an operable valve (7) to the surroundings or to a blast air source. The valve (7) may be steplessly adjustable so that the hoisting speed of means (1-11) is reduced when air is supplied from valve (7). The invention enables speed control by supplying the vacuum-generating means (5) with a controllable quantity of air in parallel with air from the container (1). <IMAGE>

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