

Title (en)

HOIST WITH SAFETY LOCK AND RELEASING SYSTEM

Title (de)

WINDE MIT SICHERHEITSSCHLOSS UND LÖSESYSTEM

Title (fr)

DISPOSITIF DE LEVAGE AYANT UN VERROU DE SÉCURITÉ ET SYSTÈME DE LIBÉRATION

Publication

**EP 3335685 B1 20200129 (EN)**

Application

**EP 16204008 A 20161214**

Priority

EP 16204008 A 20161214

Abstract (en)

[origin: EP3335685A1] A hoist (1) where said hoist comprises a trolley (3) with one or more wheels arranged to run along a first running surface (2a) of a rail (2). Said trolley (3) comprises one or more drive wheels (14) and one or more suspension wheels (11). The one or more suspension wheels (11) are rotatably fixed on a cart (7). One or more drive wheels (14) are rotatably fixed to a bracket (8) and said bracket (8) is pivotably connected via a hinge (16) to the cart (7). Said trolley (3) comprises a spring member (21) having a first end connected to the cart (7) and second end connected to the bracket (8). The spring member (21) is provided for pressing the one or more drive wheels (14) against a running surface (2b) on the rail (2). A shaft (22) with an eccentric cam (23) is rotatably mounted in the bracket (8). The eccentric cam (23) acts upon rotation against an edge surface (27) on the cart (7) for rotation of the bracket (8) in relation to the cart in the hinge (16). Hereby said one or more drive wheels (14) are released from contact with the running surface (2b), whereby the one or more suspension wheels (11) are able to rotate freely along the rail (2), e.g. by moving the hoist manually in the rail (2). This provides a safety locking and releasing system for the hoist in relation to the rail (2).

IPC 8 full level

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CPC (source: EP)

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Cited by

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