

Title (en)
LIFTING SYSTEM, AND METHOD FOR LIFTING AND/OR LOWERING OF LOADS

Title (de)
HUBSYSTEM UND VERFAHREN ZUM ANHEBEN UND/ODER ABSSENKEN VON LASTEN

Title (fr)
SYSTÈME DE LEVAGE ET PROCÉDÉ POUR SOULEVER ET/OU ABAISSER DES CHARGES

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Abstract (en)
[origin: WO2017077000A1] The invention relates to a lifting system (100, 200) for lifting and/or lowering loads (102, 202), having: a) a lifting apparatus (104, 204) which is suitable for conveying loads (102, 202) along a lifting direction (106, 206) from a first transfer position (108) into a second transfer position (110) and along a lowering direction (112, 212) from the second transfer position (110) to the first transfer position (108), and b) a conveyor apparatus (120, 220) which is suitable for taking on, at the first and/or the second transfer position (108, 110), the loads (102, 202) conveyed by means of the lifting apparatus (104, 204), c) wherein the conveyor apparatus (120, 220) has at least one holding pendulum (300) which is pivotable into a holding position, d) wherein the lifting apparatus (104, 204) has at least one holding receptacle (400, 500, 600) for the holding pendulum (300), e) wherein the holding pendulum (300), in the holding position, can be placed in engagement with the holding receptacle (400, 500, 600), by means of a movement of the holding receptacle (400, 500, 600) in the lowering direction (112, 212), such that a movement of the lifting apparatus (104, 204) in the lowering direction (112, 212) is blocked, and/or the holding pendulum (300), in the holding position, can be placed in engagement with the holding receptacle (400, 500, 600), by means of a movement of the holding receptacle (400, 500, 600) in the lifting direction (106, 206), in such a way that a movement of the lifting apparatus (104, 204) in the lifting direction (106, 206) is blocked, f) wherein the holding receptacle (400, 500, 600) has a first guide track (404, 502, 610), g) wherein the first guide track (404, 502, 610) is designed so as, during a movement of the holding receptacle (400, 500, 600) along the lifting direction (106, 206) or the lowering direction (112, 212), to move the holding pendulum (300) into a first position in which the holding pendulum (300) cannot be placed in engagement with the holding receptacle (400, 500, 600). The invention also relates to a method for blocking and releasing a lifting apparatus of a lifting system.

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