Title (en)

SCISSORS-TYPE ELEVATING PLATFORM

Title (de)

SCHERENHUBTISCH

Title (fr)

TABLE À PARALLELOGRAMME ARTICULÉ

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Application

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Abstract (en)

[origin: WO2007115564A1] The invention relates to scissors-type elevating platforms for lifting and lower medium to very large loads. It is the object to provide a scissors-type elevating platform which is suitable for medium to very large loads, a structurally simple construction and a long service life. According to the invention, the scissors-type elevating platform comprises a lower frame (1) and upper frame (2) which can be raised and can be lowered by intersecting scissors-type arms (6) and (10) arranged in each case on the outside between the two frames (1, 2). Traction cables (26) are arranged in a novel manner via deflecting rollers (12) with a vertical or virtually vertical deflecting roller axis (19) in such a manner that said traction cables act on the lower movable bearing spindle (3). The traction cables (26) are fastened here on the inside between the lower frame (1) to a lower fixed bearing spindle (30) or to the lower frame (1) by means of a traction cable fastening tab (31) via a novel traction cable rocker (24). Furthermore, the traction cables (26) are arranged at the other end such that they can be wound up via a cable pulley worm (15). The drive takes place with a driving motor (28) with a downstream step-down gear (33) via a driving pulley (14) by means of a traction means (9). The traction means (9) is coupled to an internal cable pulley (13) with a vertically or virtually vertical cable pulley axis (18), wherein a cable pulley worm (15) is connected at the same time in a form-fitting or frictional manner to the cable pulley (13). The most essential advantage of this embodiment is an absolutely linear lifting profile during the lifting and lowering of the scissors-type elevating platform according to the invention. The scissors-type elevation platform is distinguished by a structurally simple construction and has a long service life.

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