

Title (en)
LIFTING LOADING PLATFORM

Title (de)
HUBLADEBÜHNE

Title (fr)
PLATEFORME ÉLEVATRICE DE CHARGEMENT

Publication
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Application
EP 09778410 A 20090908

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Abstract (en)
[origin: WO2010031511A1] Lifting loading platforms for trucks have a loading platform that can be lifted and lowered and pivoted by means of a lifting unit. The lifting unit comprises a hydraulic cylinder for the lifting and lowering and for the pivoting of the lifting loading platform. The operation of the hydraulic cylinder requires a hydraulic unit and relatively large hydraulic lines. The invention provides a lifting loading platform, wherein the loading platform is lifted, lowered, and pivoted by means of electric linear drives (20). The linear drives (20) are equipped in a particular manner with a plurality of rod-shaped electric motors (25) mutually driving a toothed gear (32). A spindle nut (24) can be rotated on a threaded spindle (23) by the toothed gear (32). In this manner the threaded spindle (23) can be axially displaced in the manner of piston rods of hydraulic cylinders. Due to the electrically operated linear drives (20) the lifting loading platform according to the invention requires no hydraulic unit, and therefore also no hydraulic lines.

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Citation (search report)
See references of WO 2010031511A1

Citation (examination)
• DE 102006000994 A1 20070201 - MB METALLBAUBETEILIGUNGSGMBH [DE]
• DE 2136840 A1 19730201 - MEYER FRIEDRICH

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