

Title (en)
CRANE, IN PARTICULAR LOADING CRANE FOR A VEHICLE

Title (de)
KRAN, INSBESONDERE LADEKRAN FÜR EIN FAHRZEUG

Title (fr)
GRUE, EN PARTICULIER GRUE DE CHARGEMENT POUR UN VÉHICULE

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Application
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Priority

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Abstract (en)
[origin: WO2013067552A1] The invention relates to a crane (1), in particular a loading crane for a vehicle, comprising - a crane pillar (3), which is rotatably mounted about a vertical axis (V), - at least one jib (4), which is connected to the crane pillar (3) and which is pivotally mounted about a horizontal axis (H), - at least one jib extension (5), which is movably mounted in the jib (4), and - at least one piston-cylinder unit (6) for extending and retracting the jib extension (5) relative to the jib (4), the first end of the at least one piston-cylinder unit (6) engaging the jib (4) via at least one first force-introducing region (7) and the second end engaging the at least one jib extension (5) via at least one second force-introducing region (8). The at least one piston-cylinder unit (6) has a central plane (M) that runs in a viewing direction parallel to the horizontal axis (H) about which the jib (4) is pivotally mounted, and the at least one piston-cylinder unit (6) has a compressive deformation (D) in a direction perpendicular to the central plane (M) in a pressure-loaded state while the jib is being extended and a tensile deformation (Z) in a direction opposite the compressive deformation (D) in a tension-loaded state while the jib is being retracted. The second end of the at least one piston-cylinder unit (6) engages the at least one jib extension (5) via at least two force-introducing regions (8), wherein one of said at least two force-introducing regions (8) is arranged offset to the central plane (M) in the direction opposite the compressive deformation (D) and the other of said at least two force-introducing regions (8) is arranged offset to the central plane in the direction opposite the tensile deformation (Z).

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